

Note:

Concentration increment represents the difference between the measured concentration in the Lower Passaic River samples and the baseline concentration at Dundee Dam. The increment is attributed to resuspension and Newark Bay derived loads.

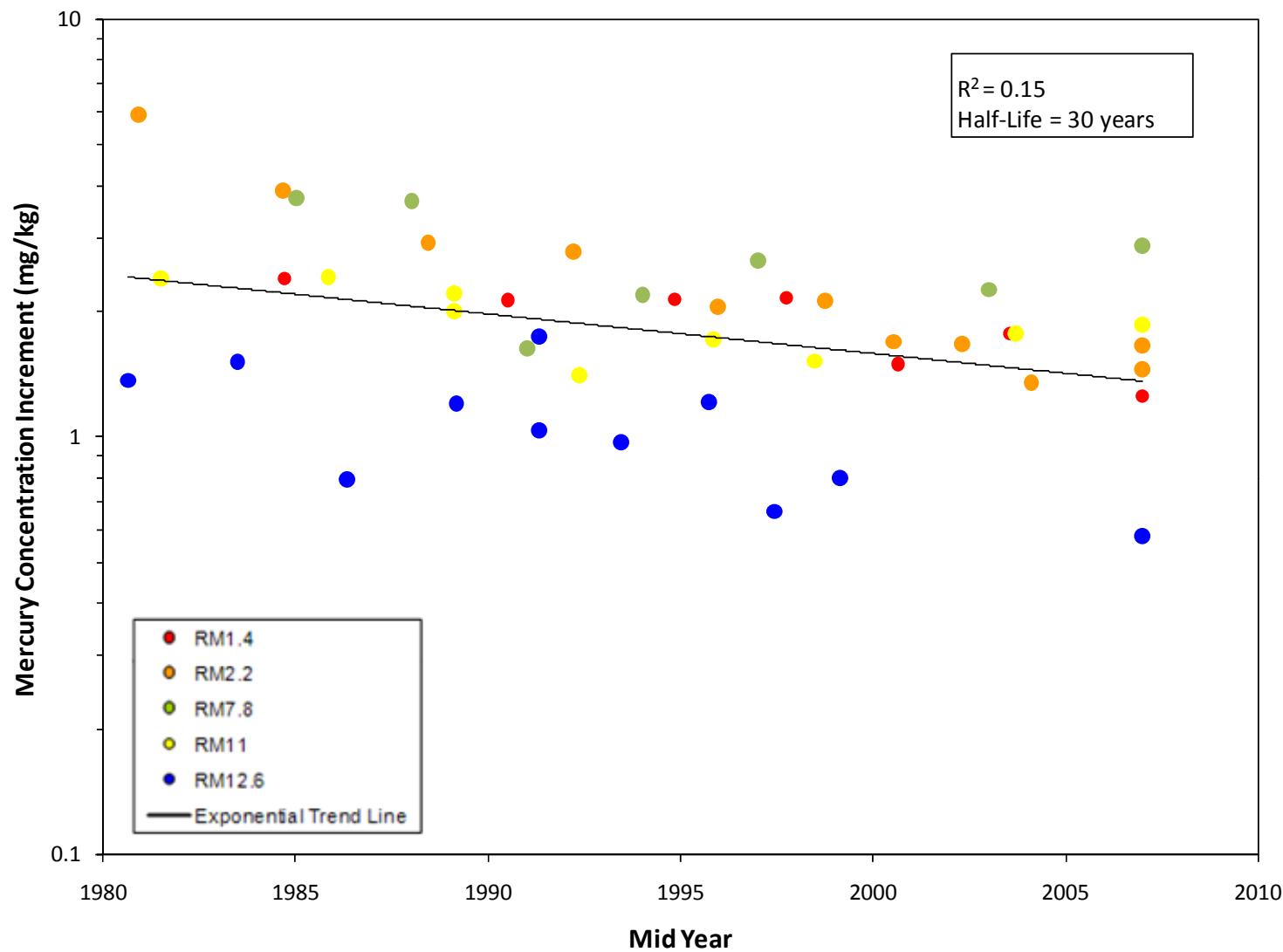


Dioxins Concentration Increment due to Resuspension and Newark Bay vs. Mid Year

Lower Passaic River Restoration Project

Figure 20-1

September 2008



Note:

Concentration increment represents the difference between the measured concentration in the Lower Passaic River samples and the baseline concentration at Dundee Dam. The increment is attributed to resuspension and Newark Bay derived loads.

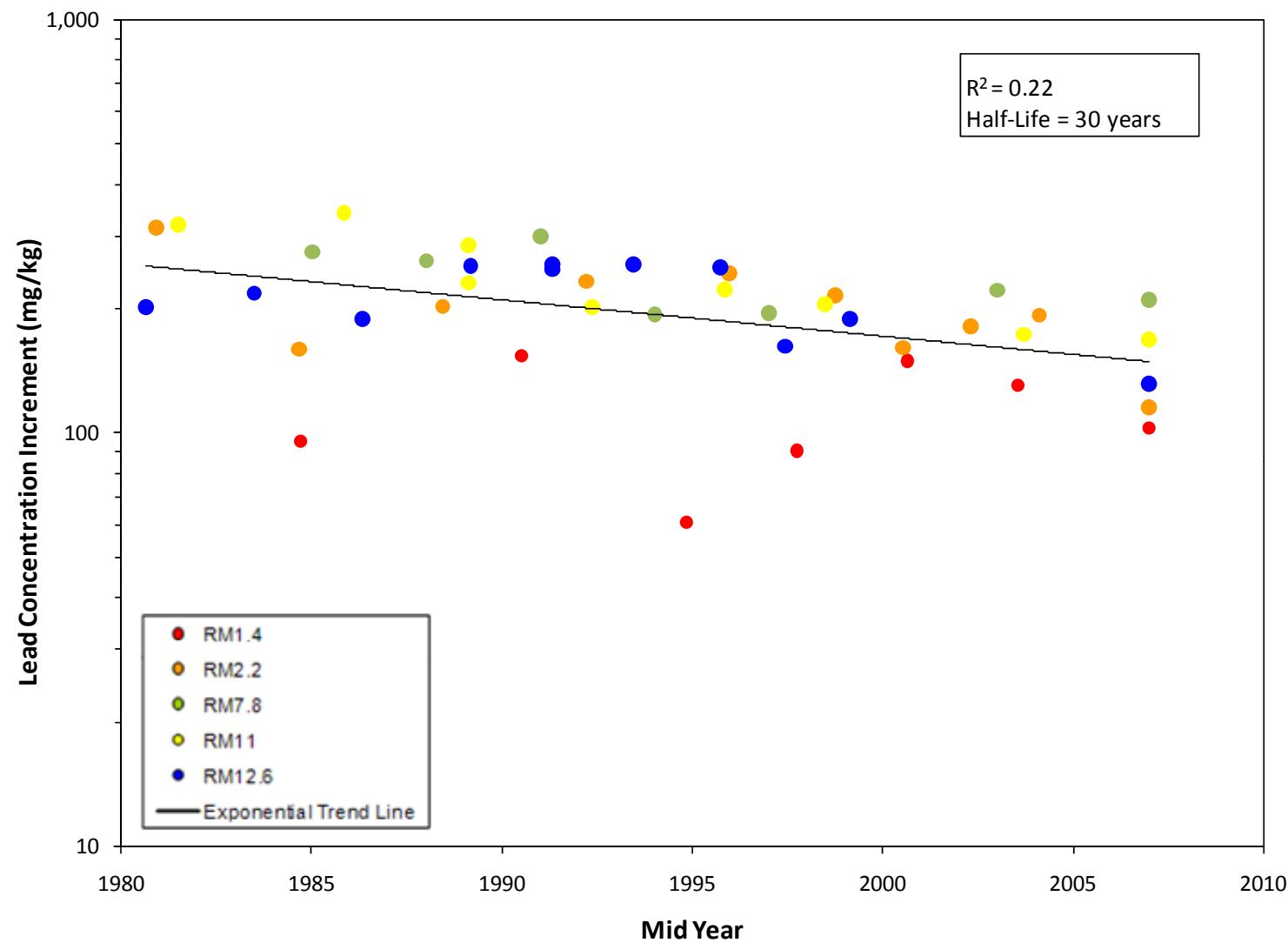


Mercury Concentration Increment due to Resuspension and Newark Bay vs. Mid Year

Lower Passaic River Restoration Project

Figure 20-2

September 2008



Note:

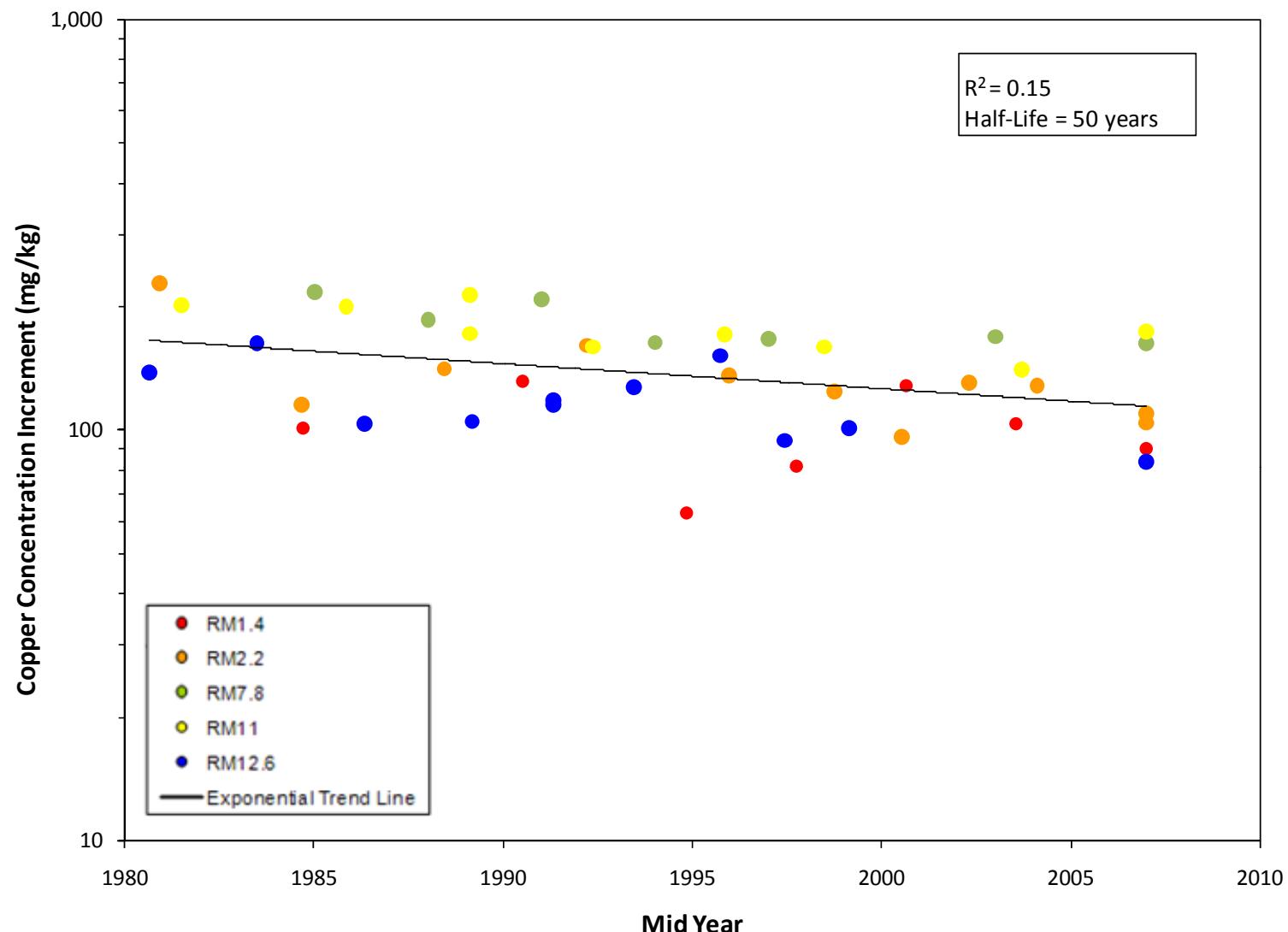
Concentration increment represents the difference between the measured concentration in the Lower Passaic River samples and the baseline concentration at Dundee Dam. The increment is attributed to resuspension and Newark Bay derived loads.



Lead Concentration Increment due to Resuspension and Newark Bay
vs. Mid Year
Lower Passaic River Restoration Project

Figure 20-3

September 2008



Note:

Concentration increment represents the difference between the measured concentration in the Lower Passaic River samples and the baseline concentration at Dundee Dam. The increment is attributed to resuspension and Newark Bay derived loads.

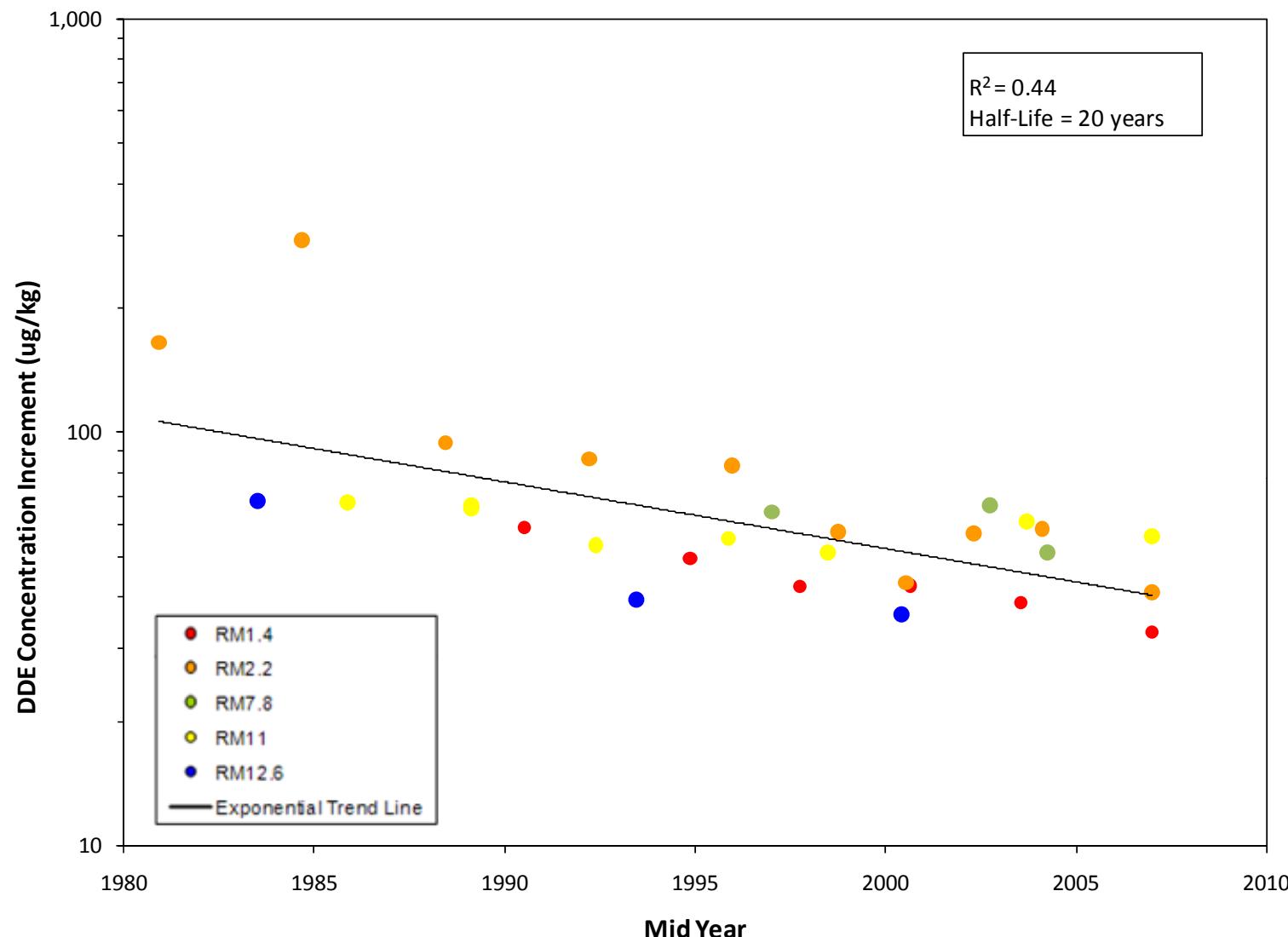


Copper Concentration Increment due to Resuspension and Newark Bay vs. Mid Year

Lower Passaic River Restoration Project

Figure 20-4

September 2008



Note:

Concentration increment represents the difference between the measured concentration in the Lower Passaic River samples and the baseline concentration at Dundee Dam. The increment is attributed to resuspension and Newark Bay derived loads.

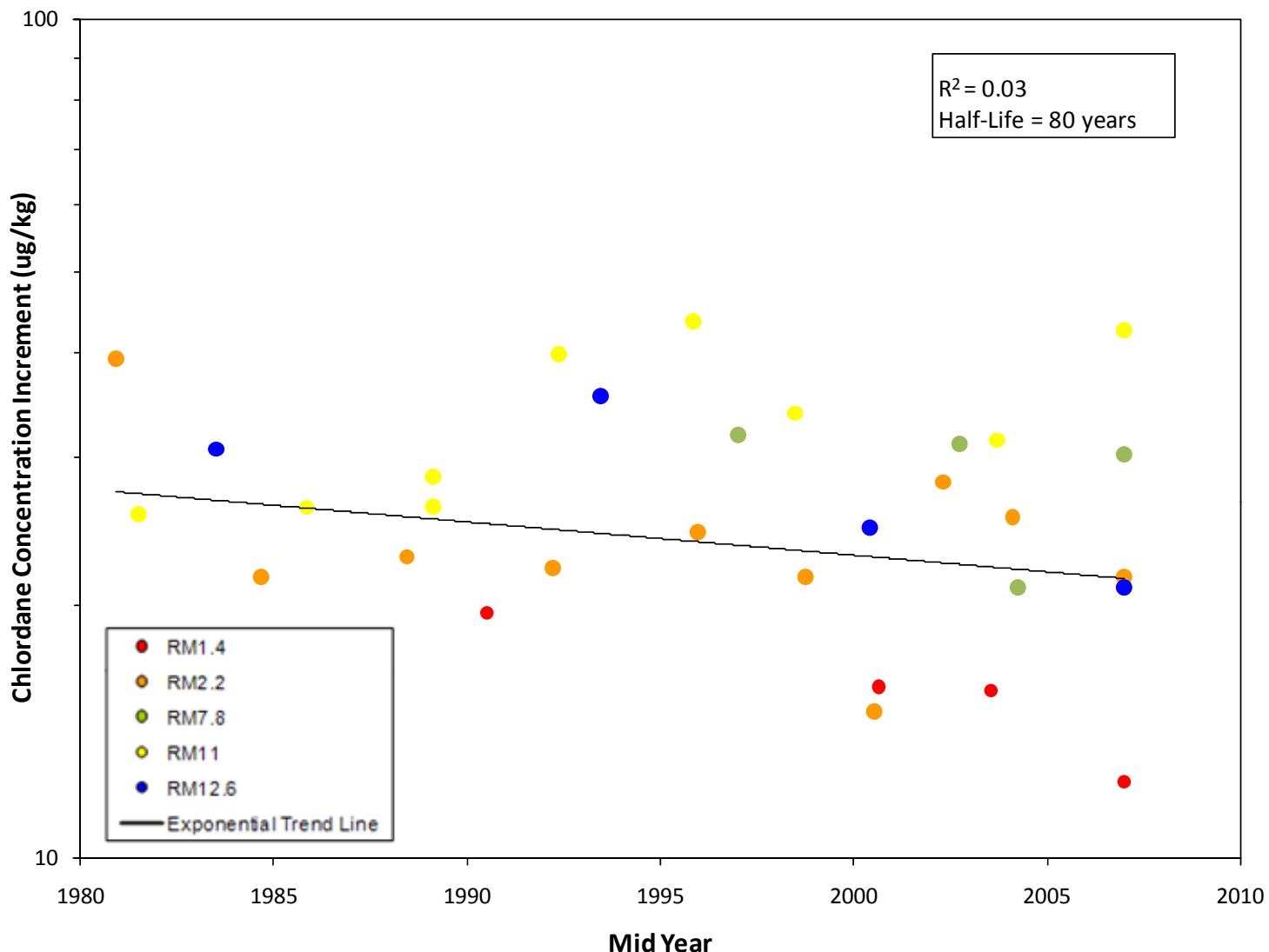


DDE Concentration Increment due to Resuspension and Newark Bay
vs. Mid Year

Lower Passaic River Restoration Project

Figure 20-5

September 2008



Note:

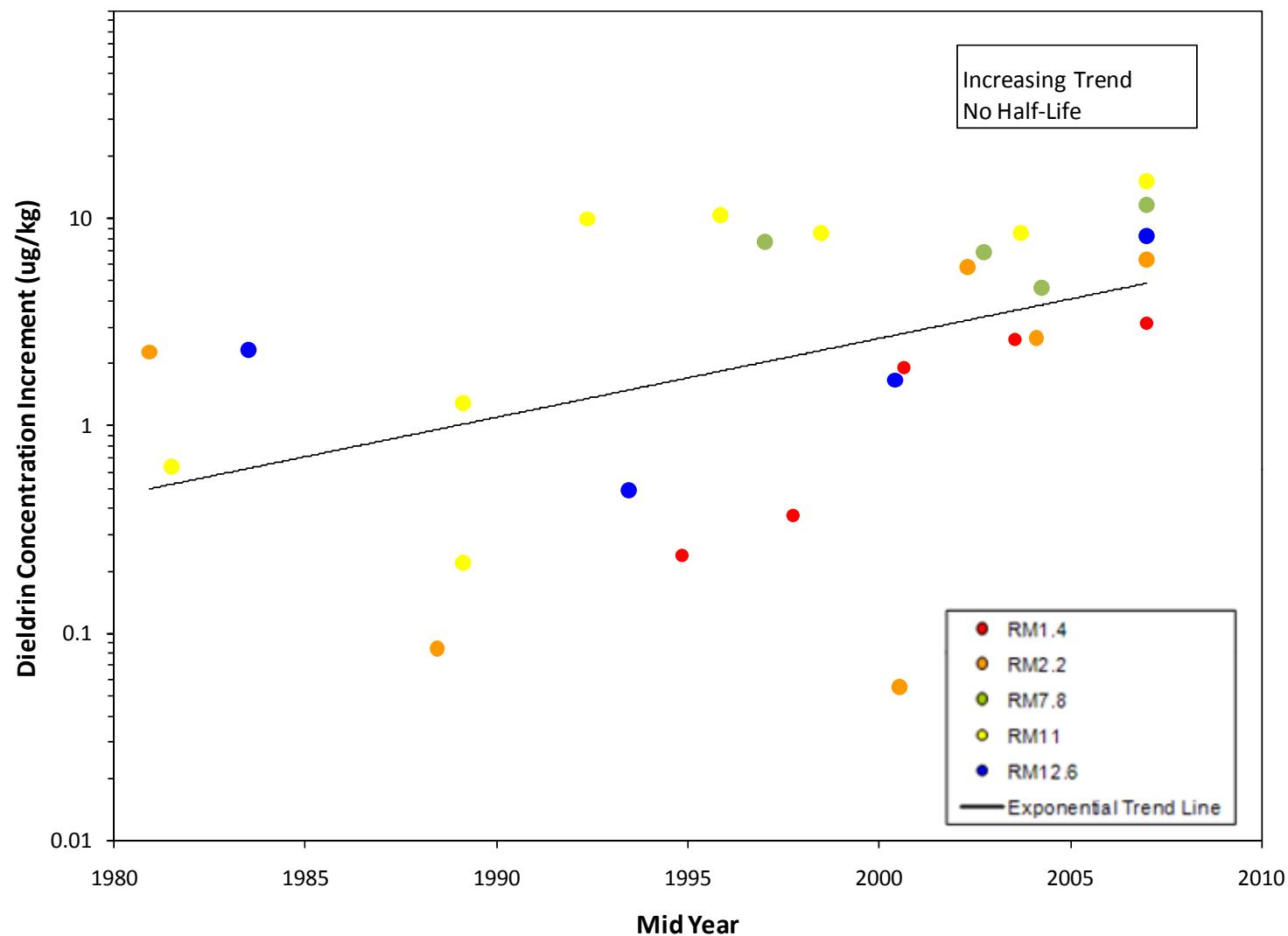
Concentration increment represents the difference between the measured concentration in the Lower Passaic River samples and the baseline concentration at Dundee Dam. The increment is attributed to resuspension and Newark Bay derived loads.



Chlordane Concentration Increment due to Resuspension and Newark Bay vs. Mid Year
Lower Passaic River Restoration Project

Figure 20-6

September 2008



Note:

Concentration increment represents the difference between the measured concentration in the Lower Passaic River samples and the baseline concentration at Dundee Dam. The increment is attributed to resuspension and Newark Bay derived loads.

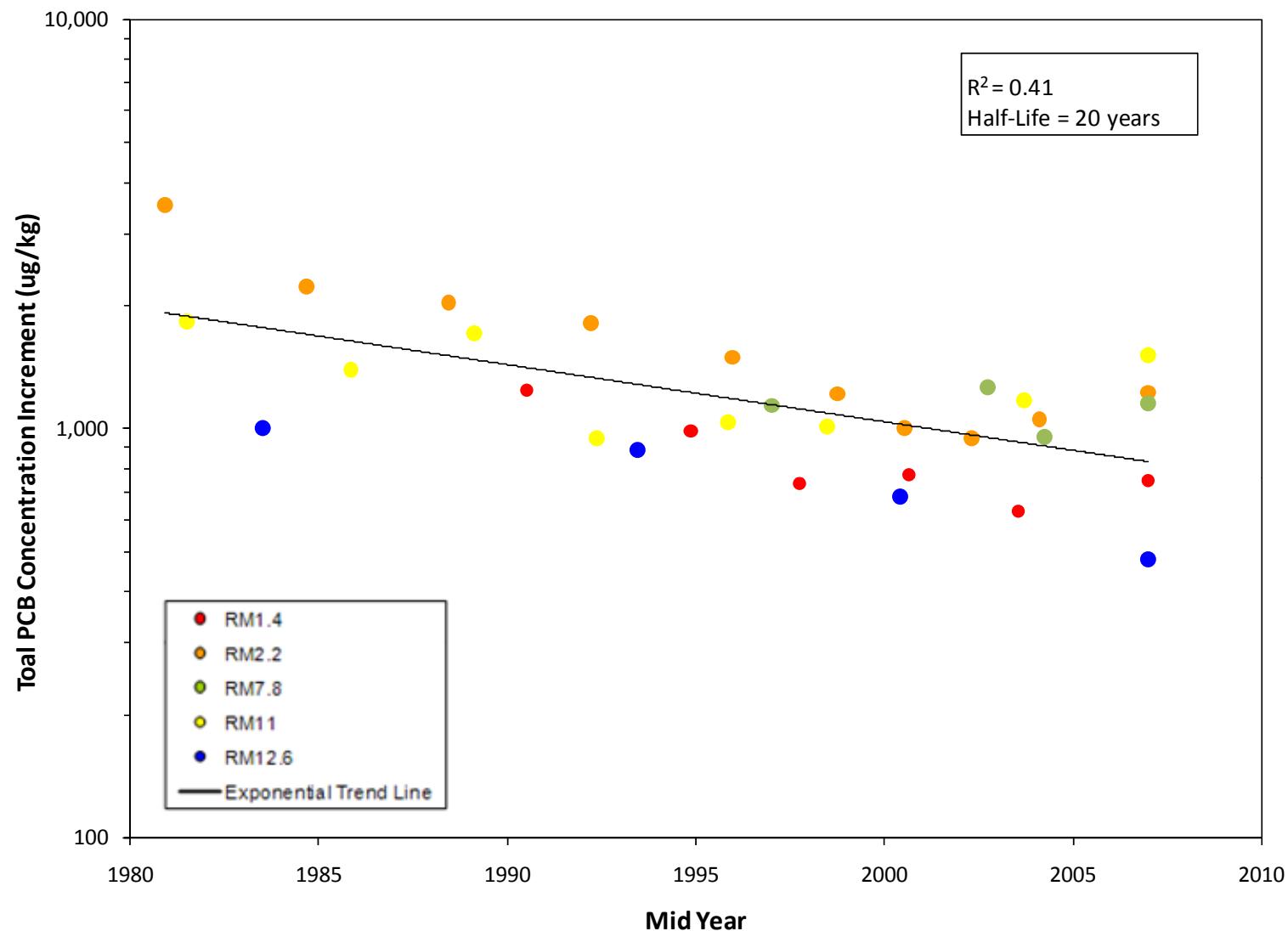


Dieldrin Concentration Increment due to Resuspension and Newark Bay vs. Mid Year

Lower Passaic River Restoration Project

Figure 20-7

September 2008



Note:

Concentration increment represents the difference between the measured concentration in the Lower Passaic River samples and the baseline concentration at Dundee Dam. The increment is attributed to resuspension and Newark Bay derived loads.

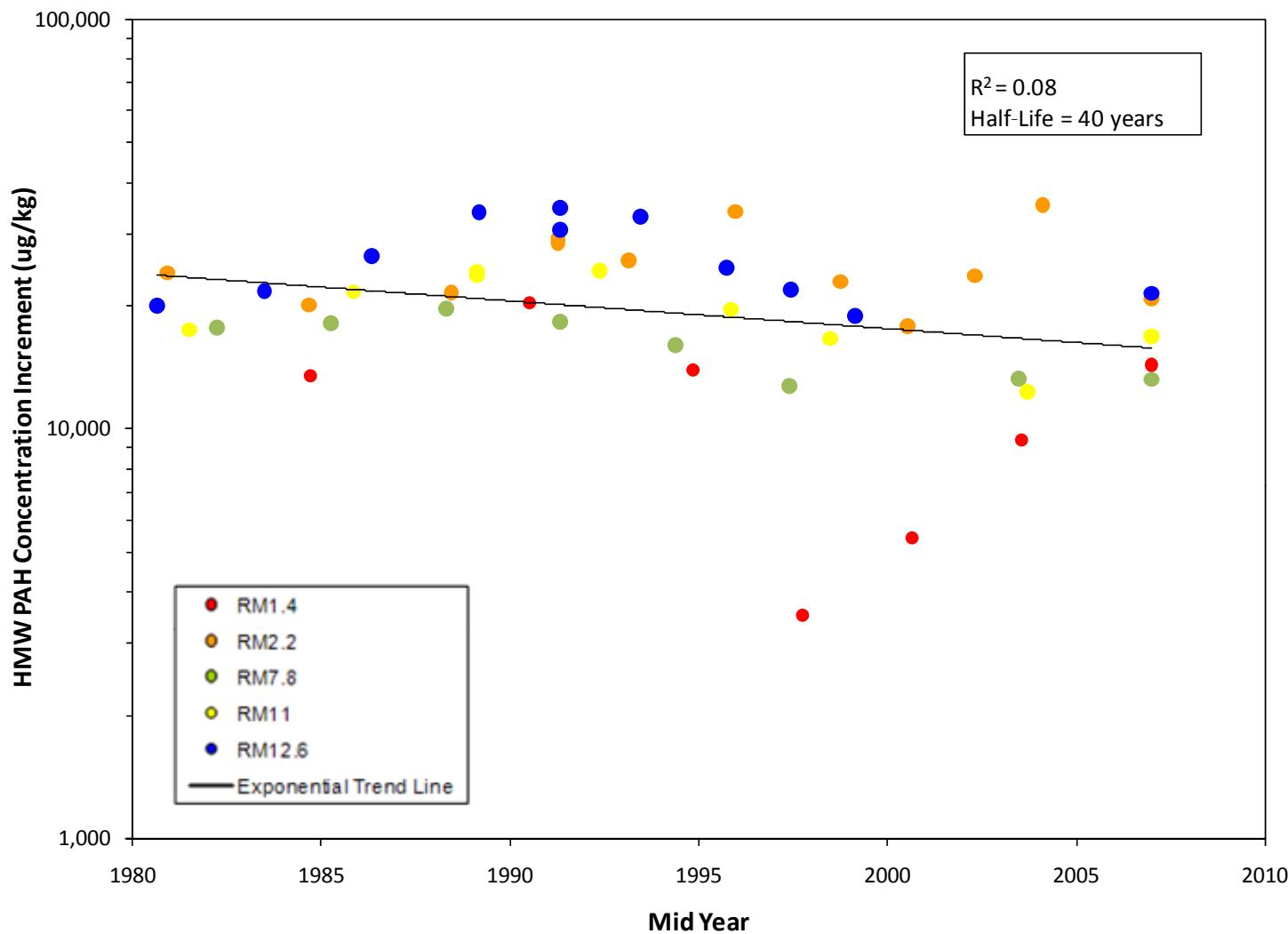


Total PCBs Concentration Increment due to Resuspension and Newark Bay vs. Mid Year

Lower Passaic River Restoration Project

Figure 20-8

September 2008



Note:

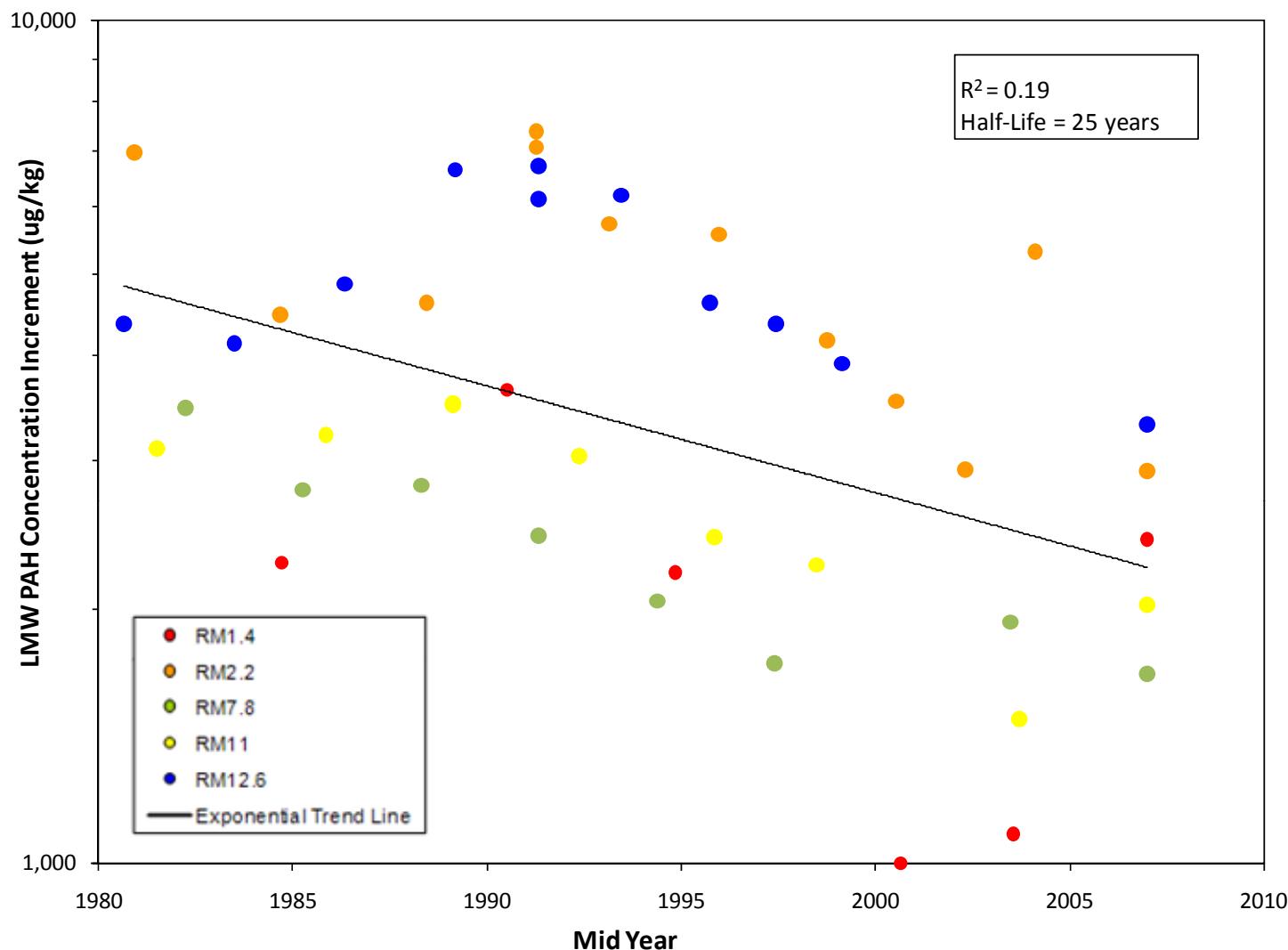
Concentration increment represents the difference between the measured concentration in the Lower Passaic River samples and the baseline concentration at Dundee Dam. The increment is attributed to resuspension and Newark Bay derived loads.



High Molecular Weight PAHs Concentration Increment due to
Resuspension and Newark Bay vs. Mid Year
Lower Passaic River Restoration Project

Figure 20-9a

September 2008



Note:

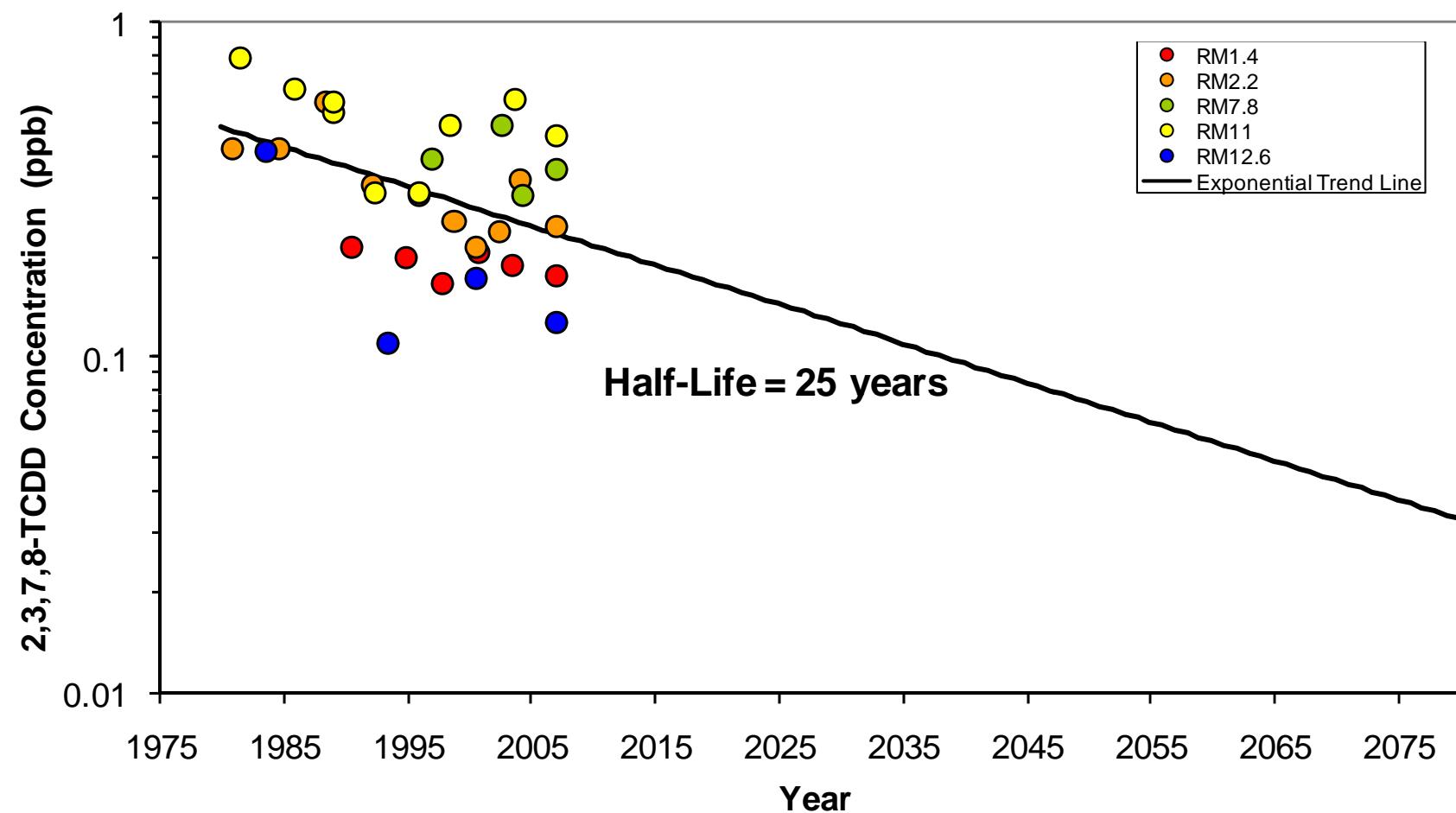
Concentration increment represents the difference between the measured concentration in the Lower Passaic River samples and the baseline concentration at Dundee Dam. The increment is attributed to resuspension and Newark Bay derived loads.



Low Molecular Weight PAHs Concentration Increment due to
Resuspension and Newark Bay vs. Mid Year
Lower Passaic River Restoration Project

Figure 20-9b

September 2008

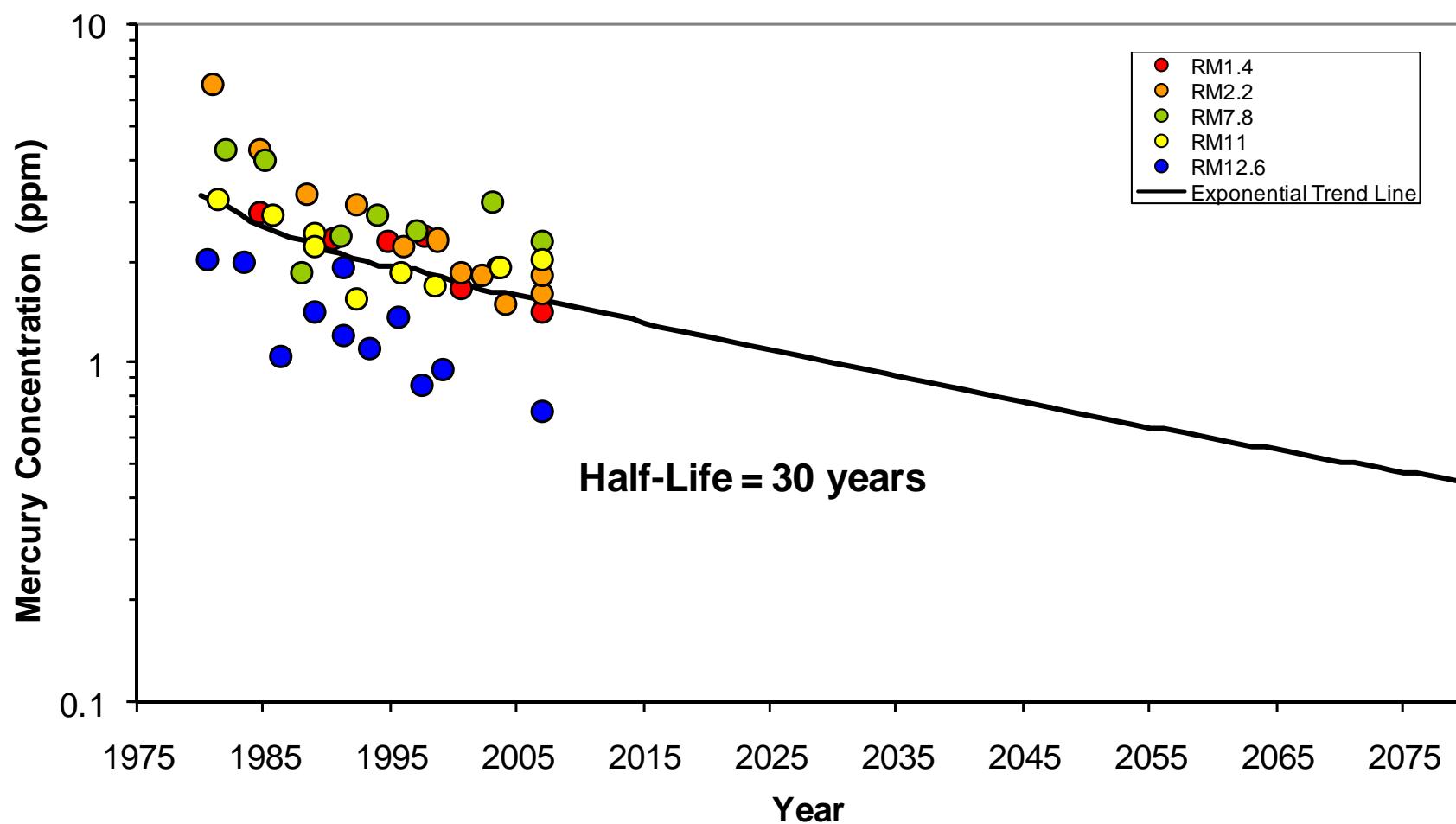


High-Resolution Core Results for 2,3,7,8-TCDD

Lower Passaic River Restoration Project

Figure 20-10

September 2008

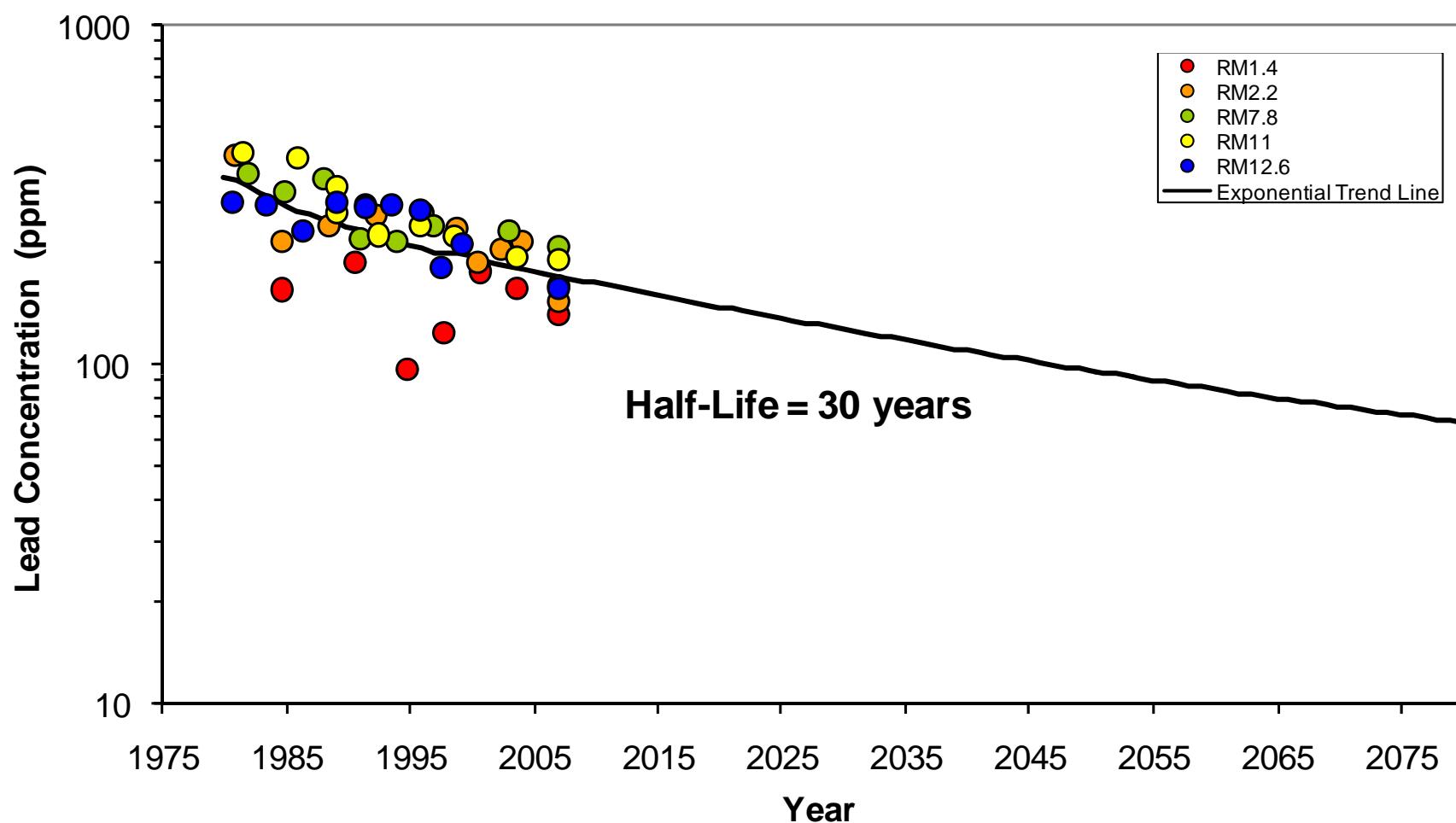


High-Resolution Core Results for Mercury

Lower Passaic River Restoration Project

Figure 20-11

September 2008

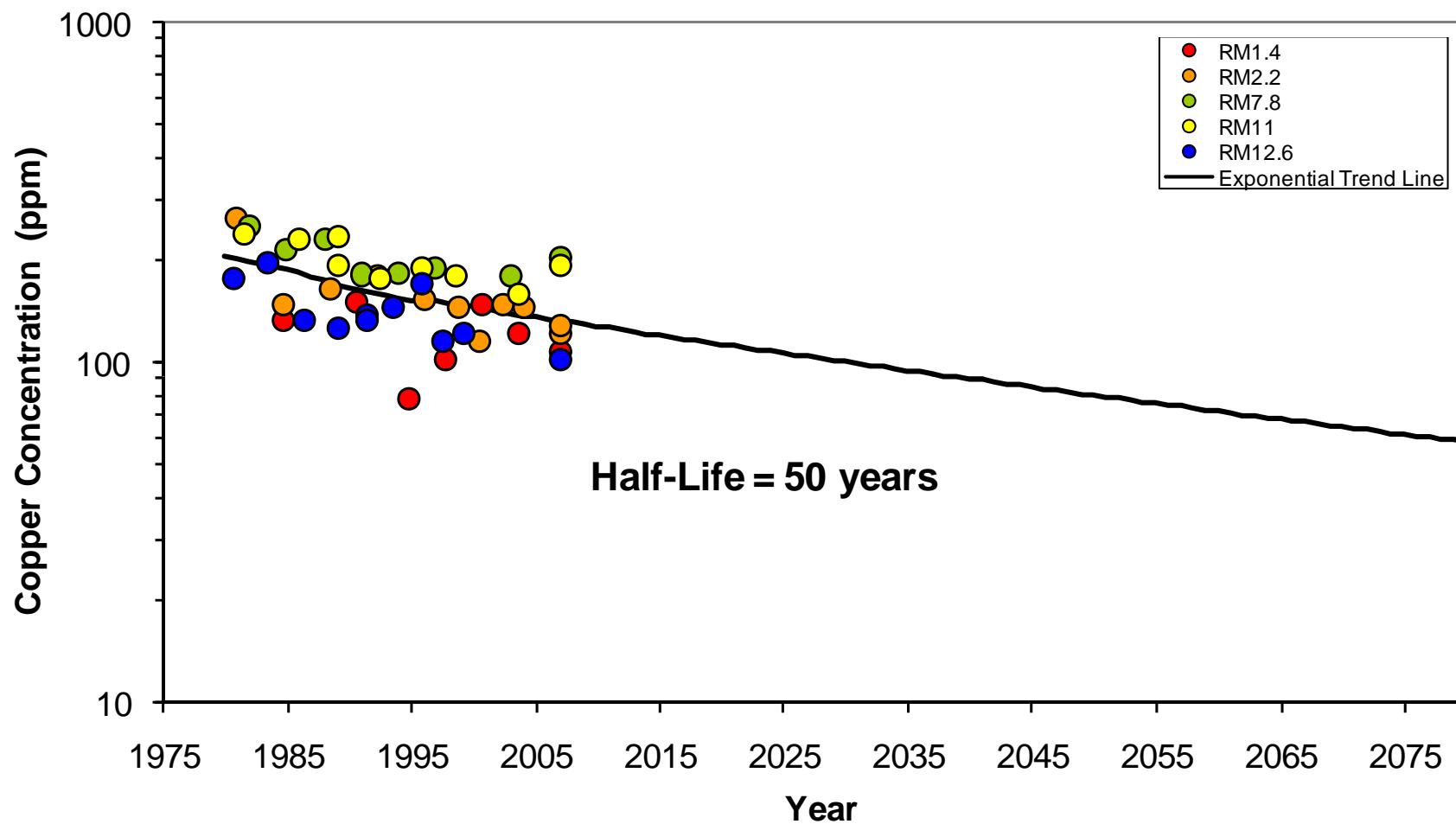


High-Resolution Core Results for Lead

Lower Passaic River Restoration Project

Figure 20-12

September 2008

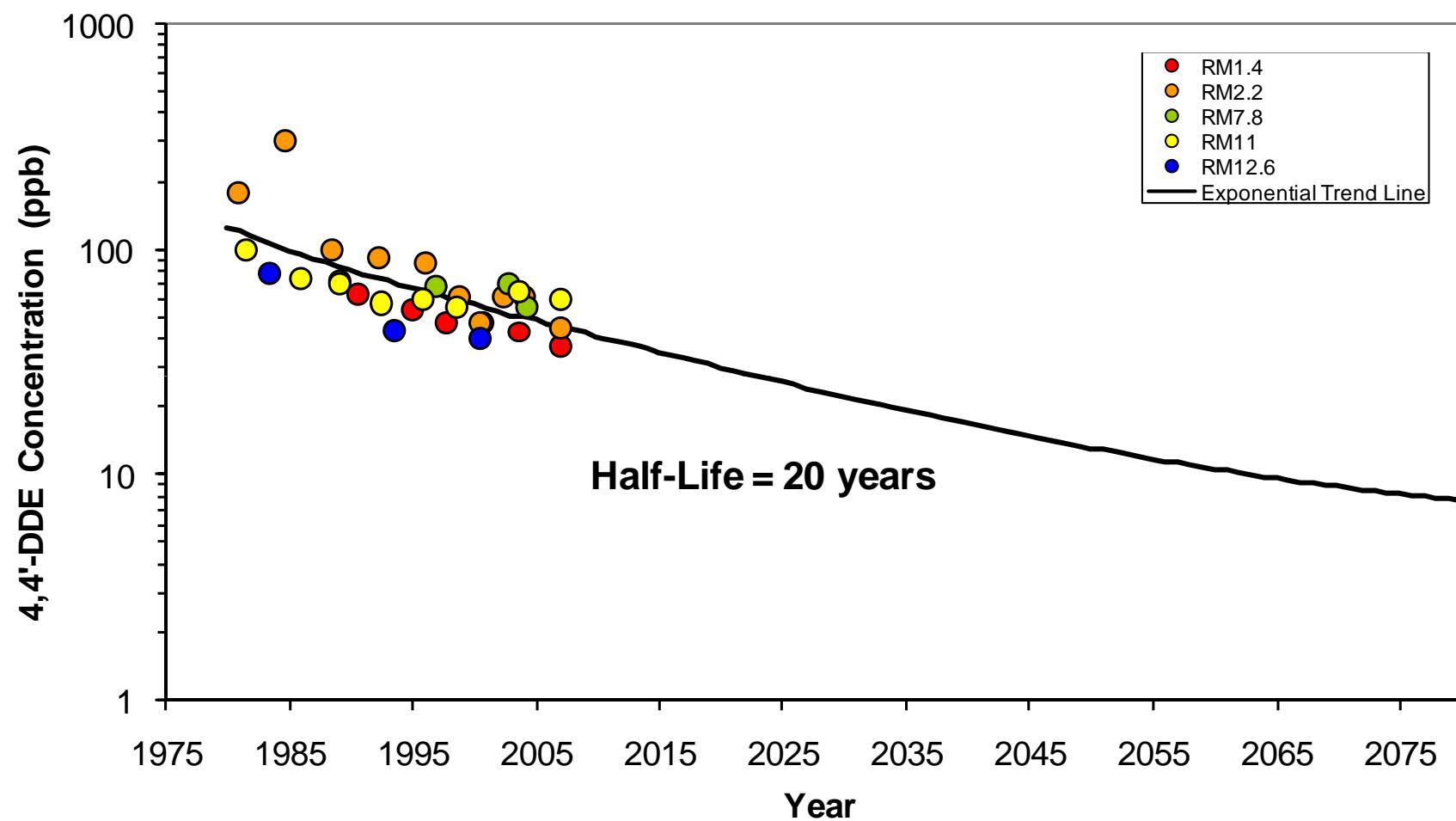


High-Resolution Core Results for Copper

Lower Passaic River Restoration Project

Figure 20-13

September 2008

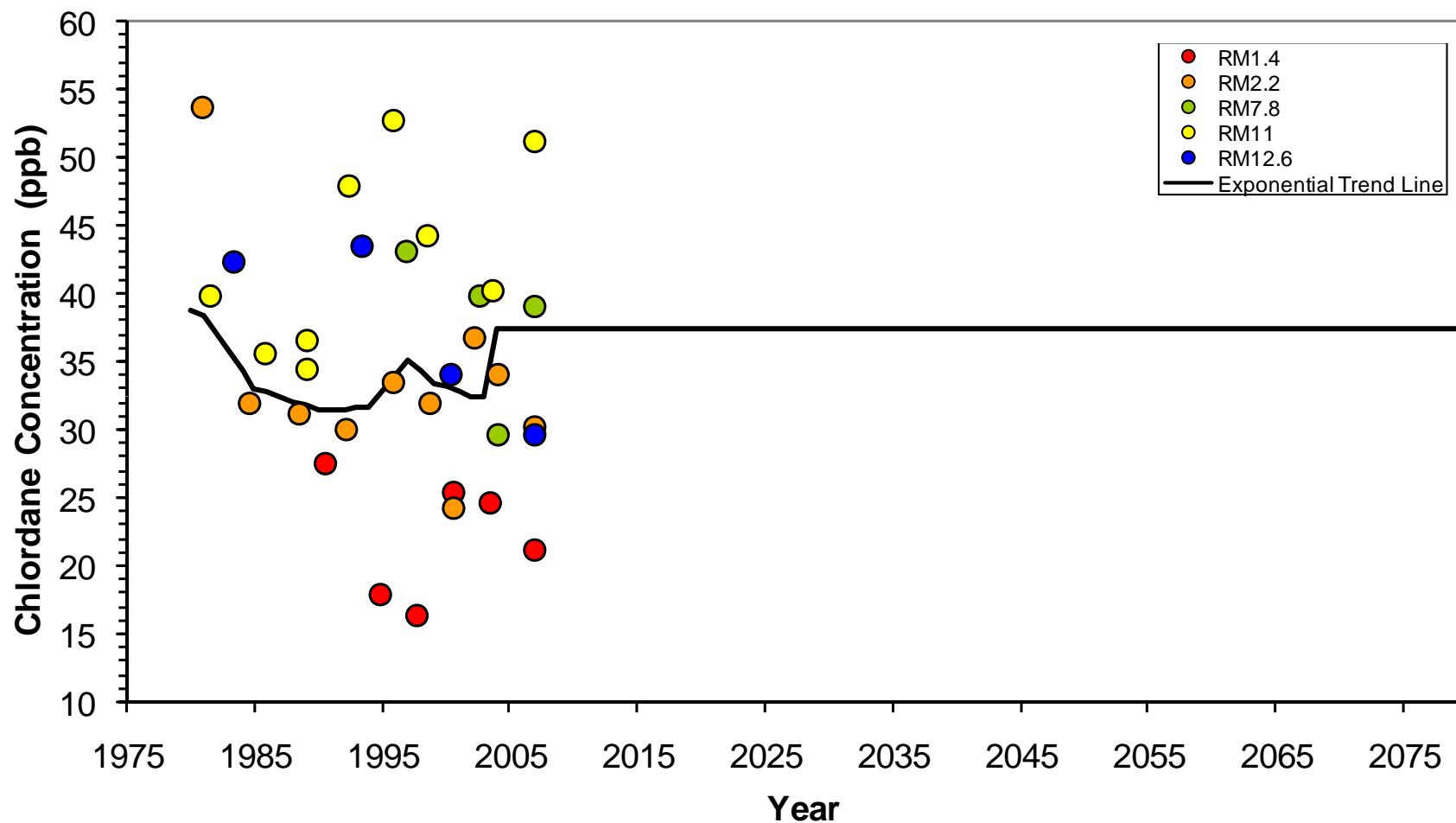


High-Resolution Core Results for 4,4'-DDE

Lower Passaic River Restoration Project

Figure 20-14

September 2008

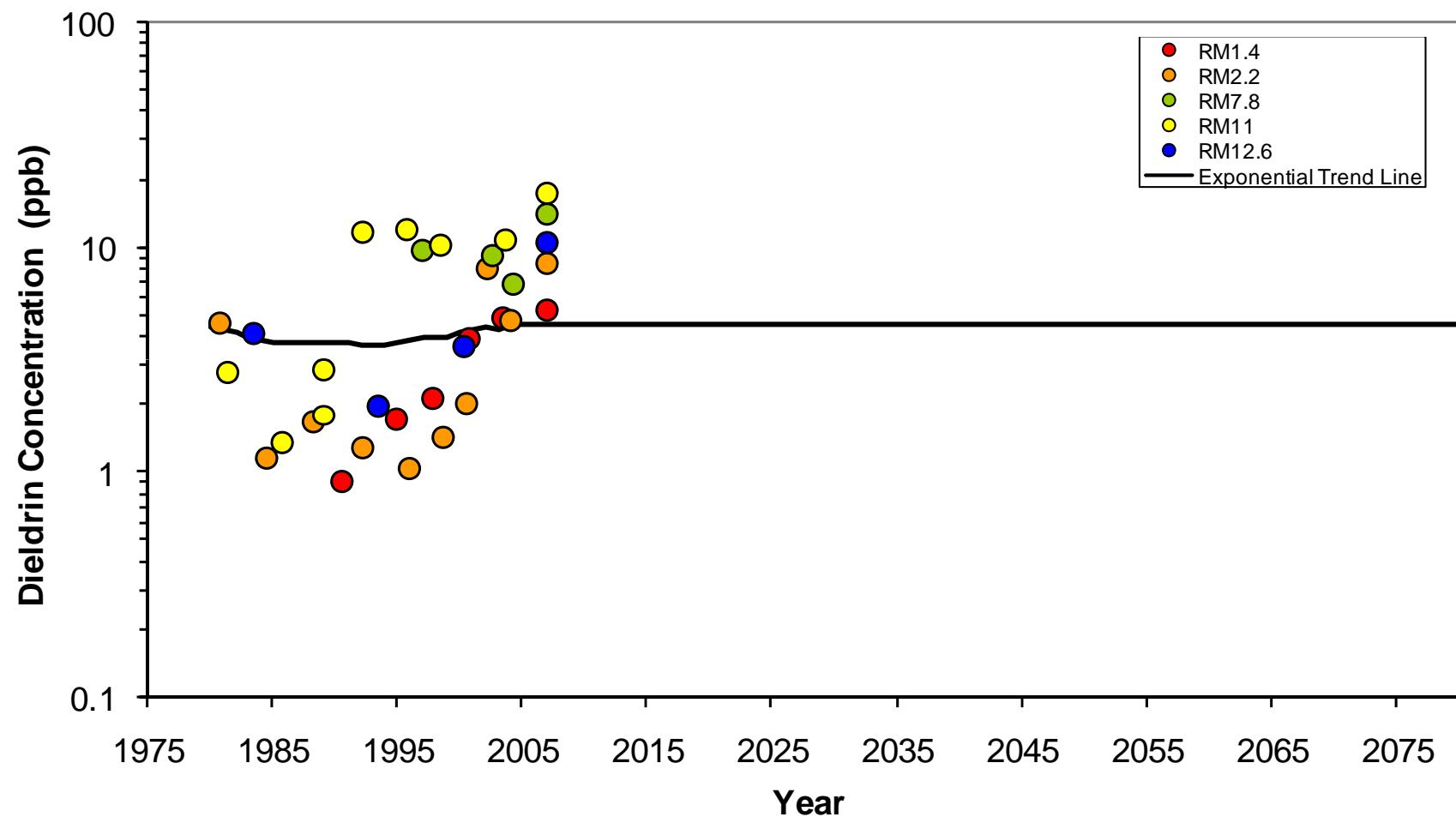


High-Resolution Core Results for Chlordane

Lower Passaic River Restoration Project

Figure 20-15

September 2008

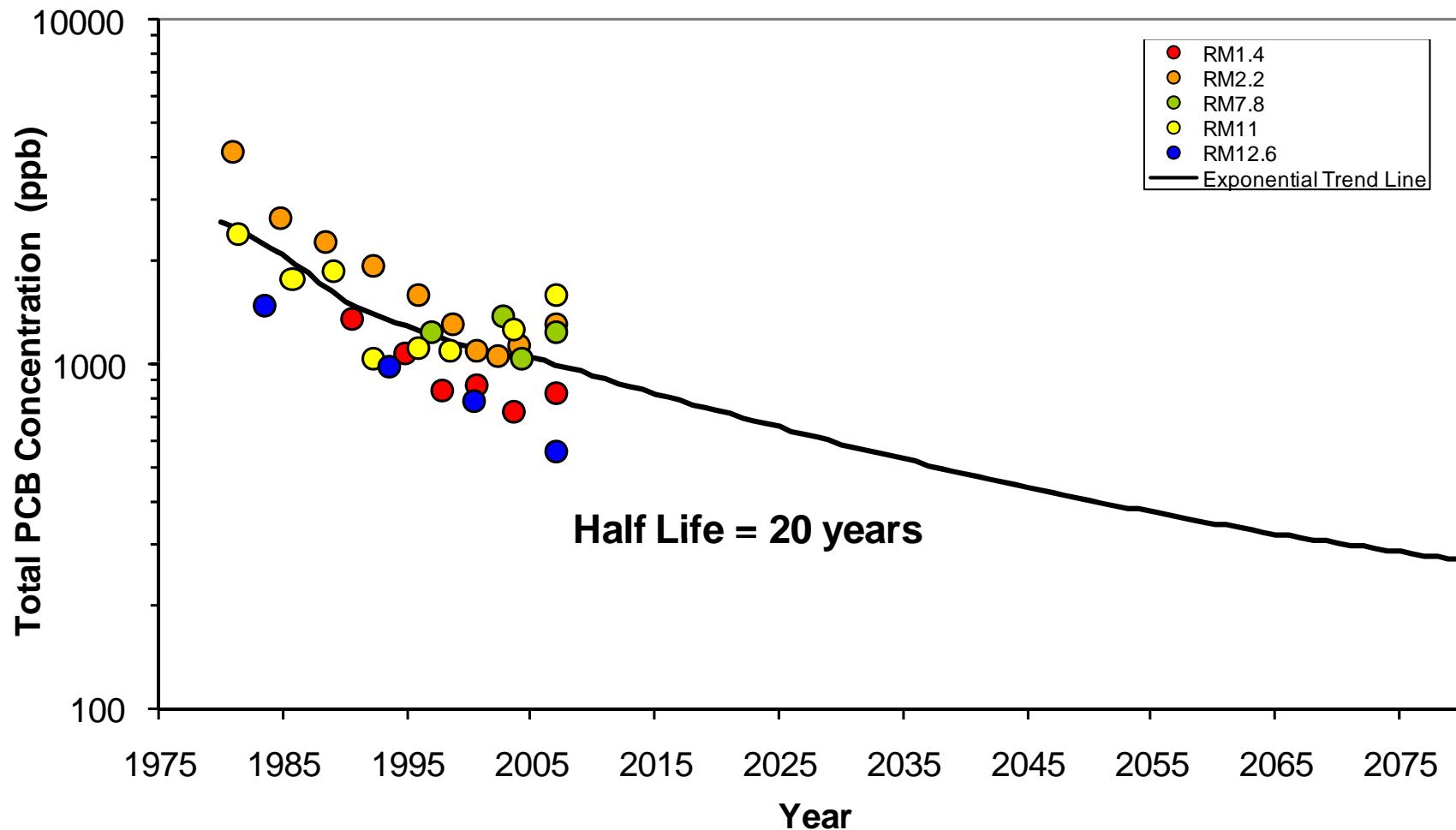


High-Resolution Core Results for Dieldrin

Lower Passaic River Restoration Project

Figure 20-16

September 2008

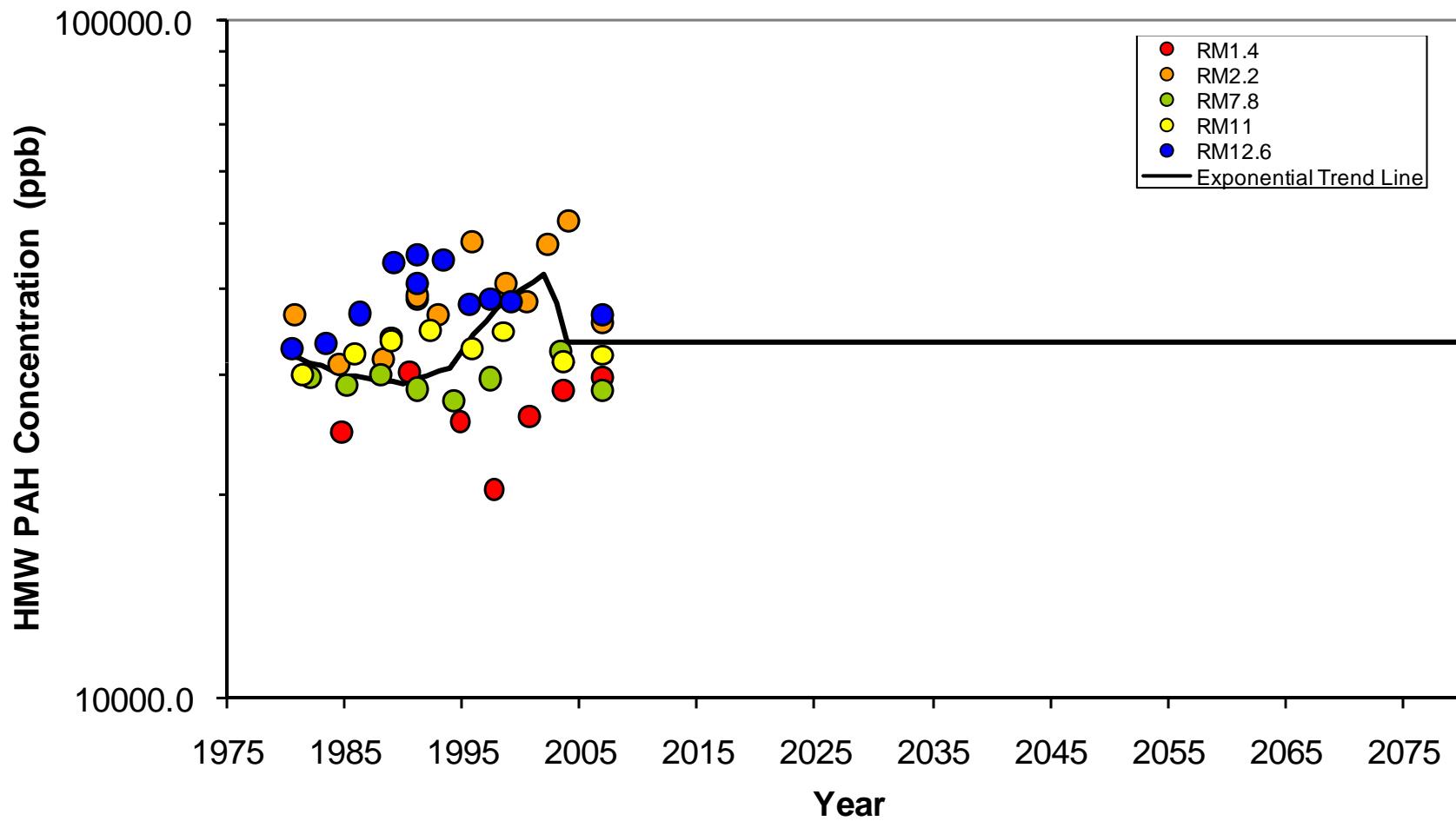


High-Resolution Core Results for Total PCB

Lower Passaic River Restoration Project

Figure 20-17

September 2008

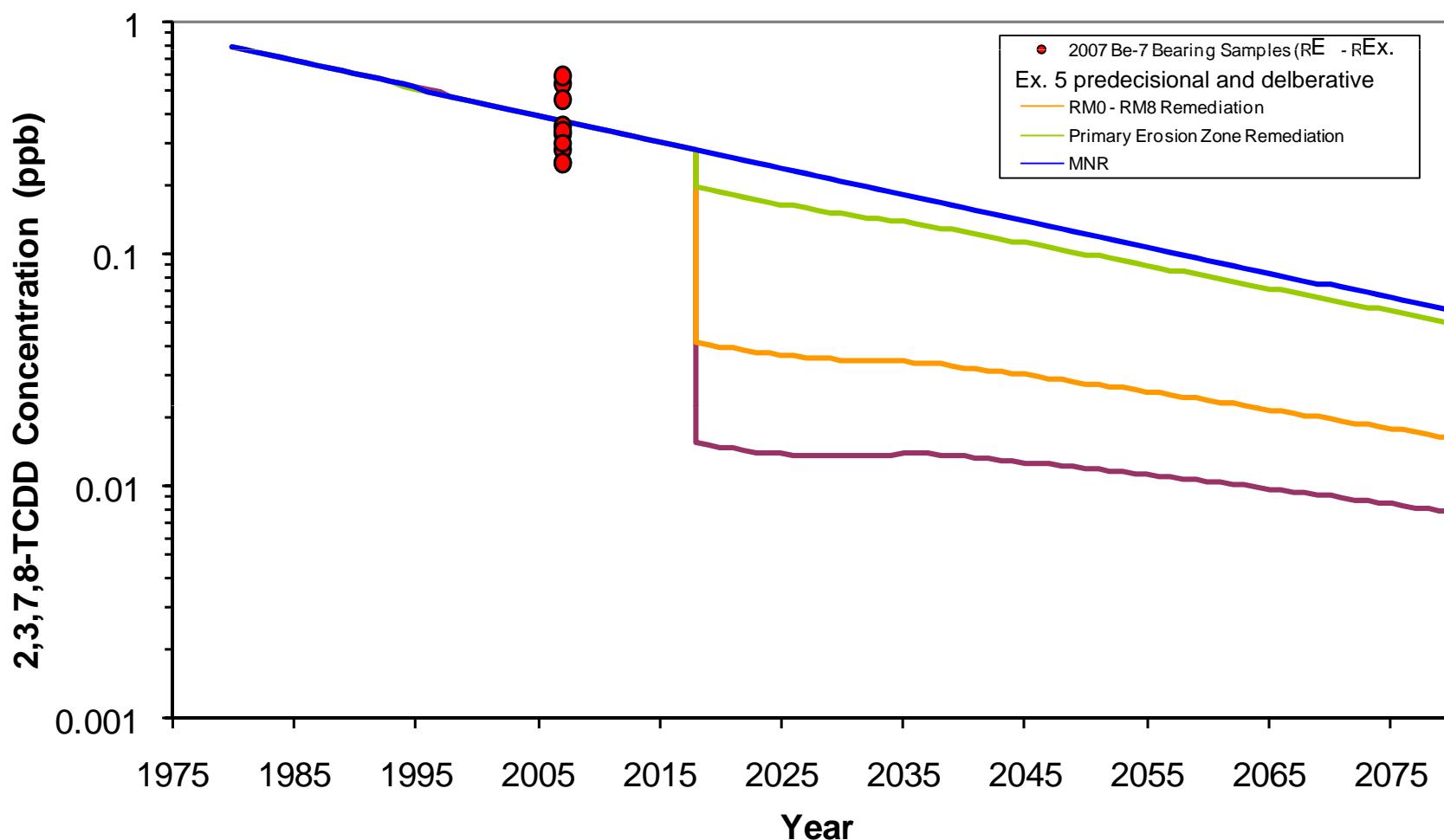


High-Resolution Core Results for HMW PAH

Lower Passaic River Restoration Project

Figure 20-18

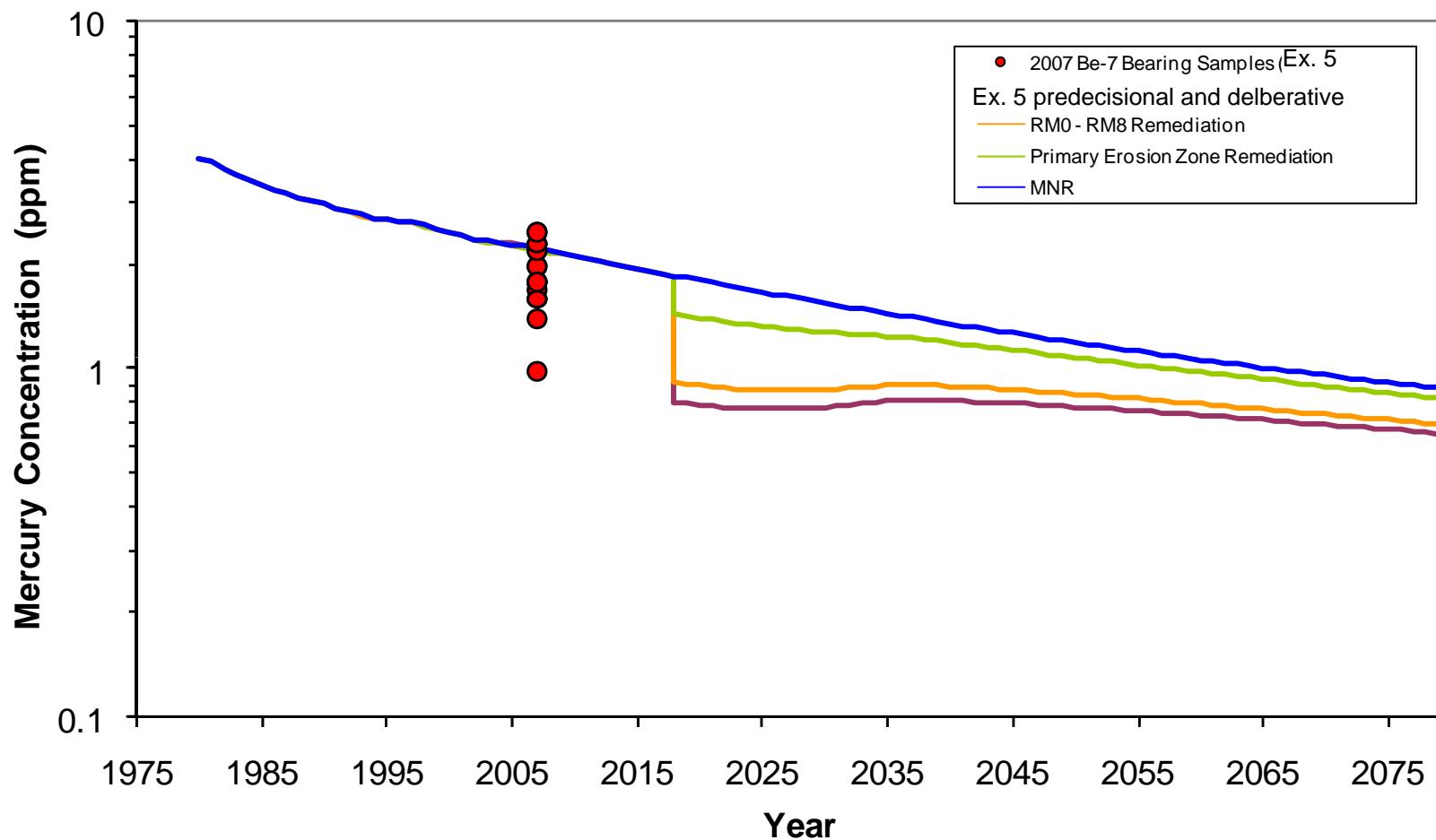
September 2008



2,3,7,8-TCDD
Comparison of Estimated Trajectories for Remediation Options for Be-7
Bearing Sediment (Ex. 5)
Lower Passaic River Restoration Project

Figure 20-19

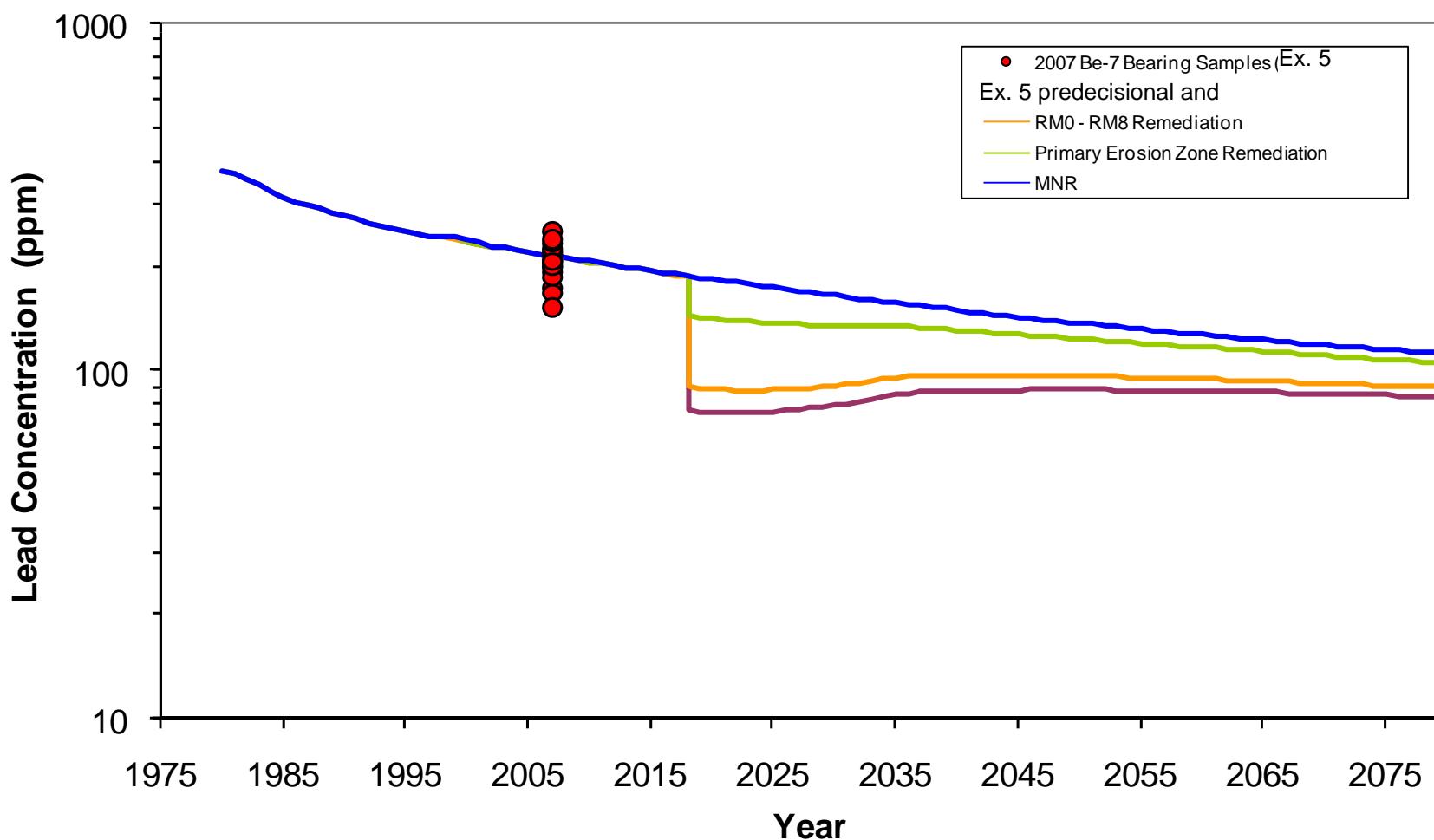
September 2008



Mercury
Comparison of Estimated Trajectories for Remediation Options for Be-7
Bearing Sediment (Ex. 5)
Lower Passaic River Restoration Project

Figure 20-20

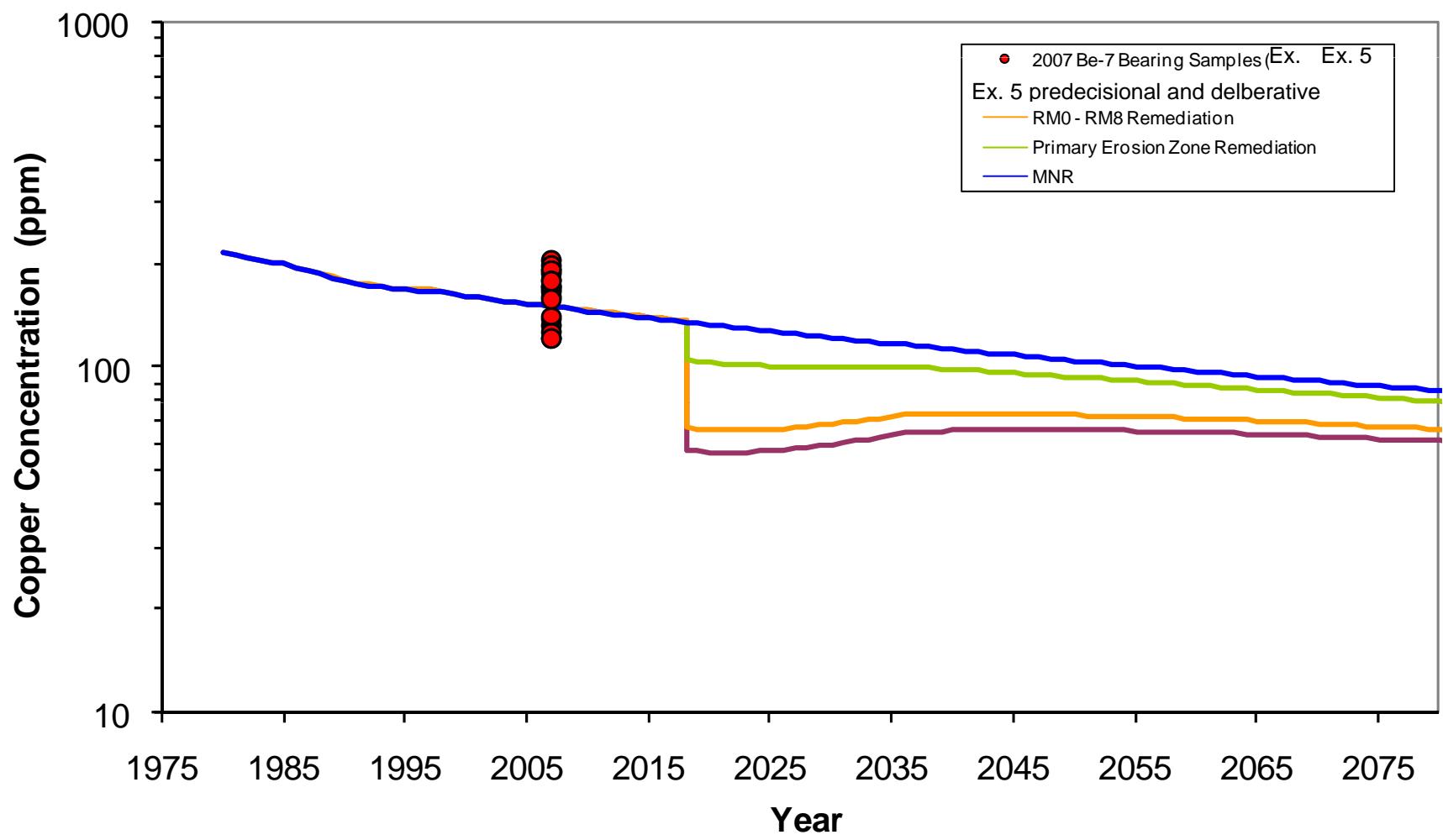
September 2008



Lead
Comparison of Estimated Trajectories for Remediation Options for Be-7
Bearing Sediment (Ex. 5)
Lower Passaic River Restoration Project

Figure 20-21

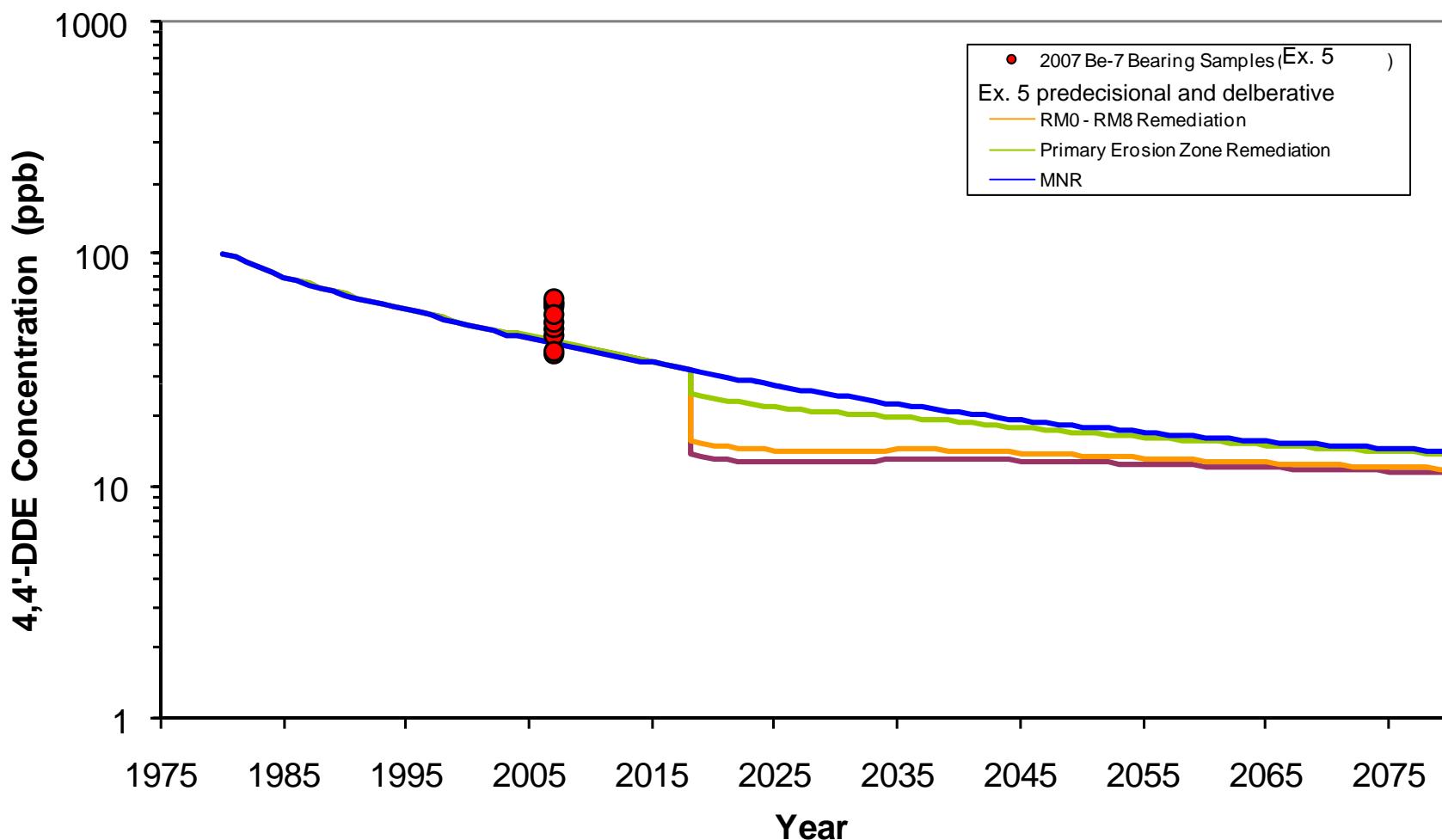
September 2008



Copper
Comparison of Estimated Trajectories for Remediation Options for Be-7
Bearing Sediment (Ex. 5)
Lower Passaic River Restoration Project

Figure 20-22

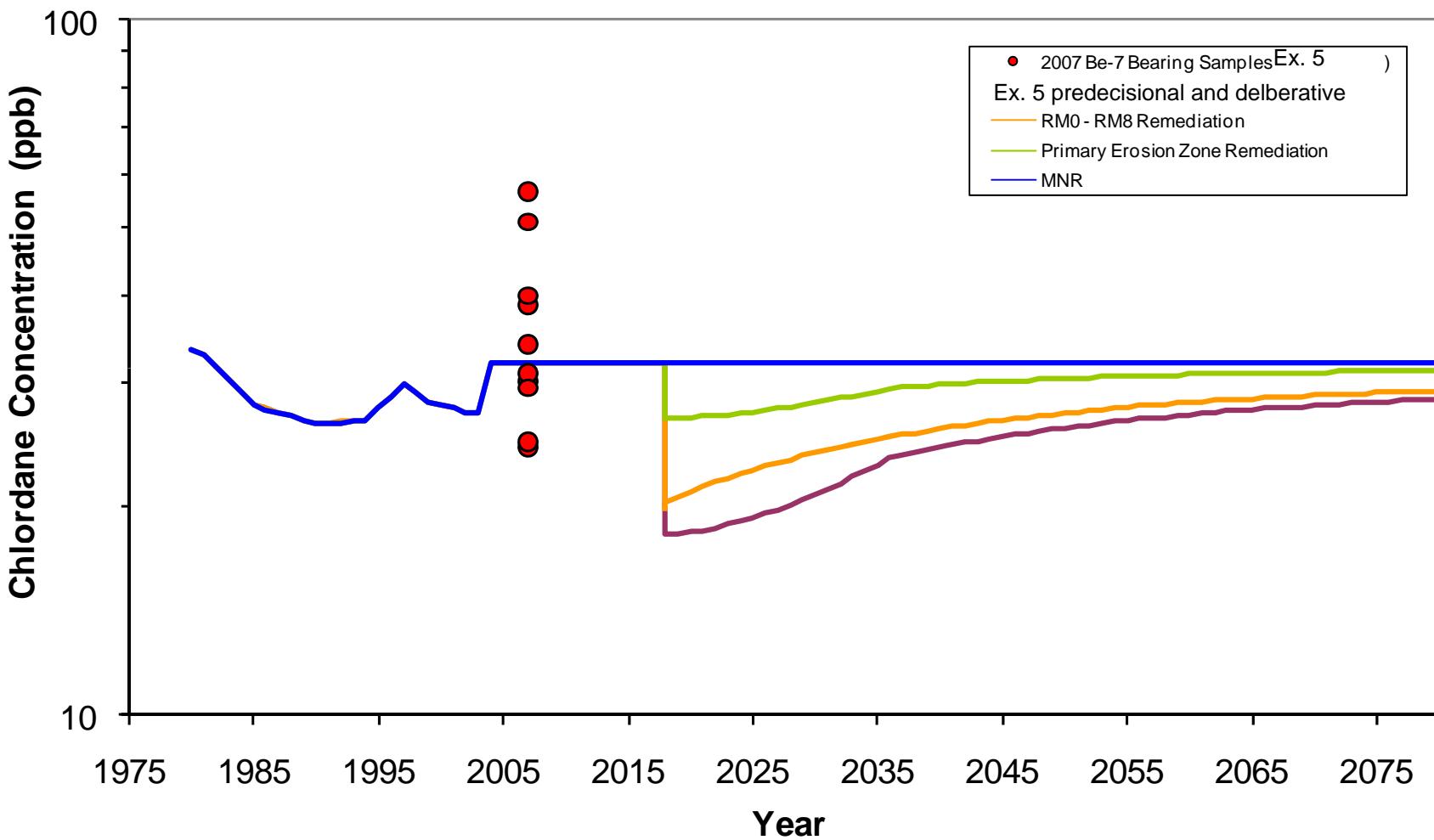
September 2008



4,4'-DDE
Comparison of Estimated Trajectories for Remediation Options for Be-7
Bearing Sediment (Ex. 5)
Lower Passaic River Restoration Project

Figure 20-23

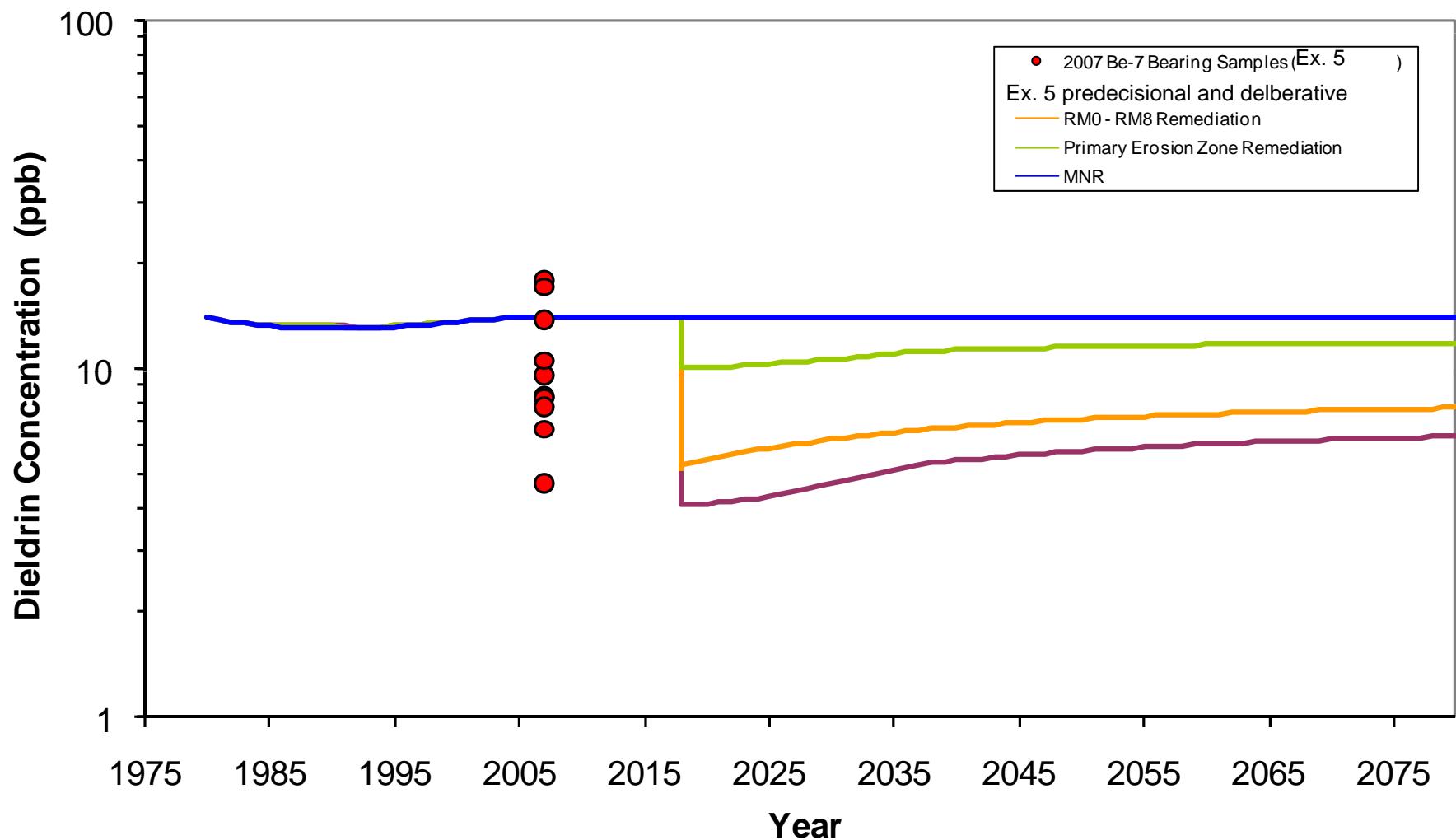
September 2008



Chlordane
Comparison of Estimated Trajectories for Remediation Options for Be-7
Bearing Sediment (Ex. 5)
Lower Passaic River Restoration Project

Figure 20-24

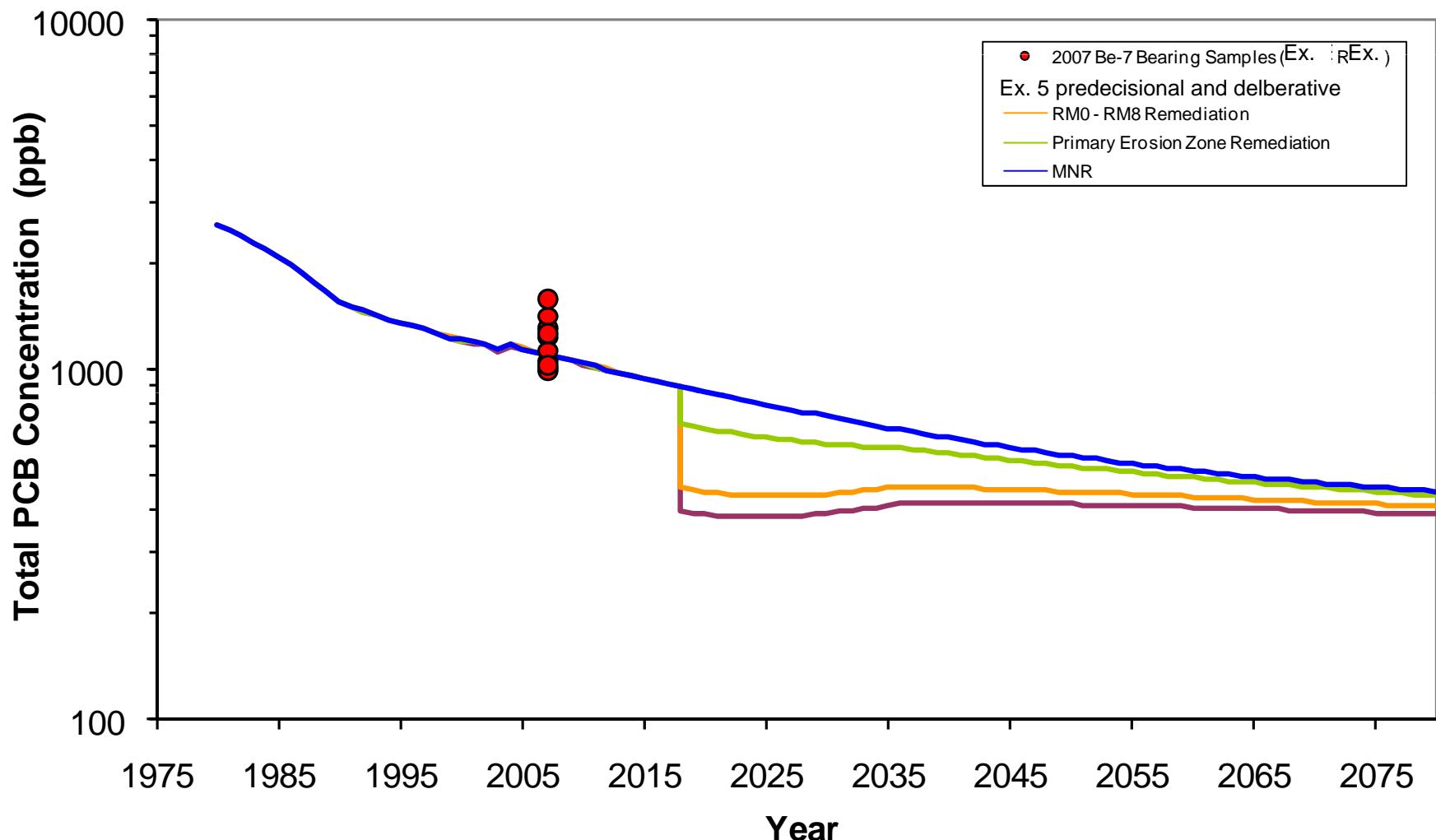
September 2008



Dieldrin
Comparison of Estimated Trajectories for Remediation Options for Be-7
Bearing Sediment Ex. 5
Lower Passaic River Restoration Project

Figure 20-25

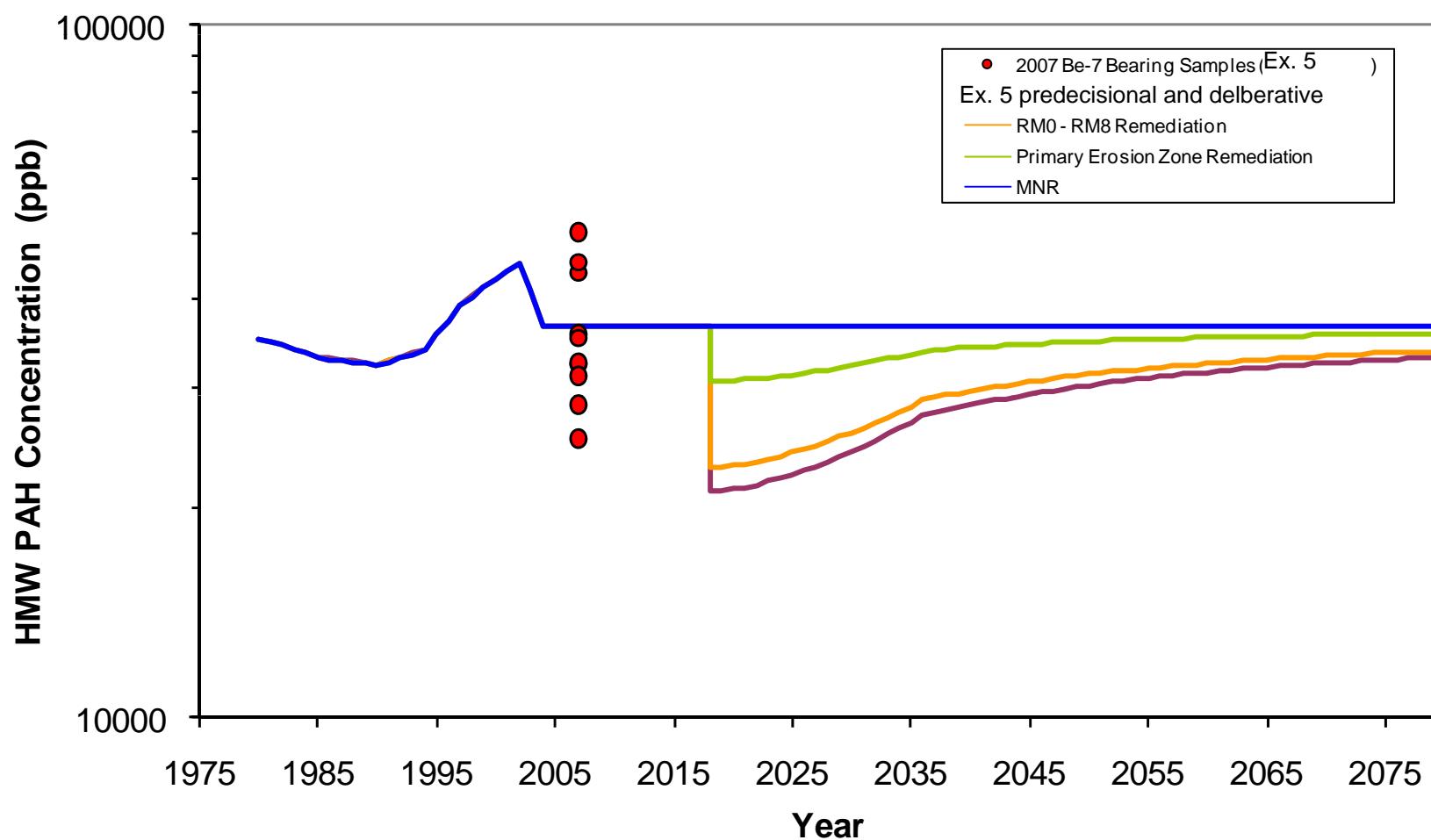
September 2008



Total PCB
Comparison of Estimated Trajectories for Remediation Options for Be-7
Bearing Sediment (Ex. 5)
Lower Passaic River Restoration Project

Figure 20-26

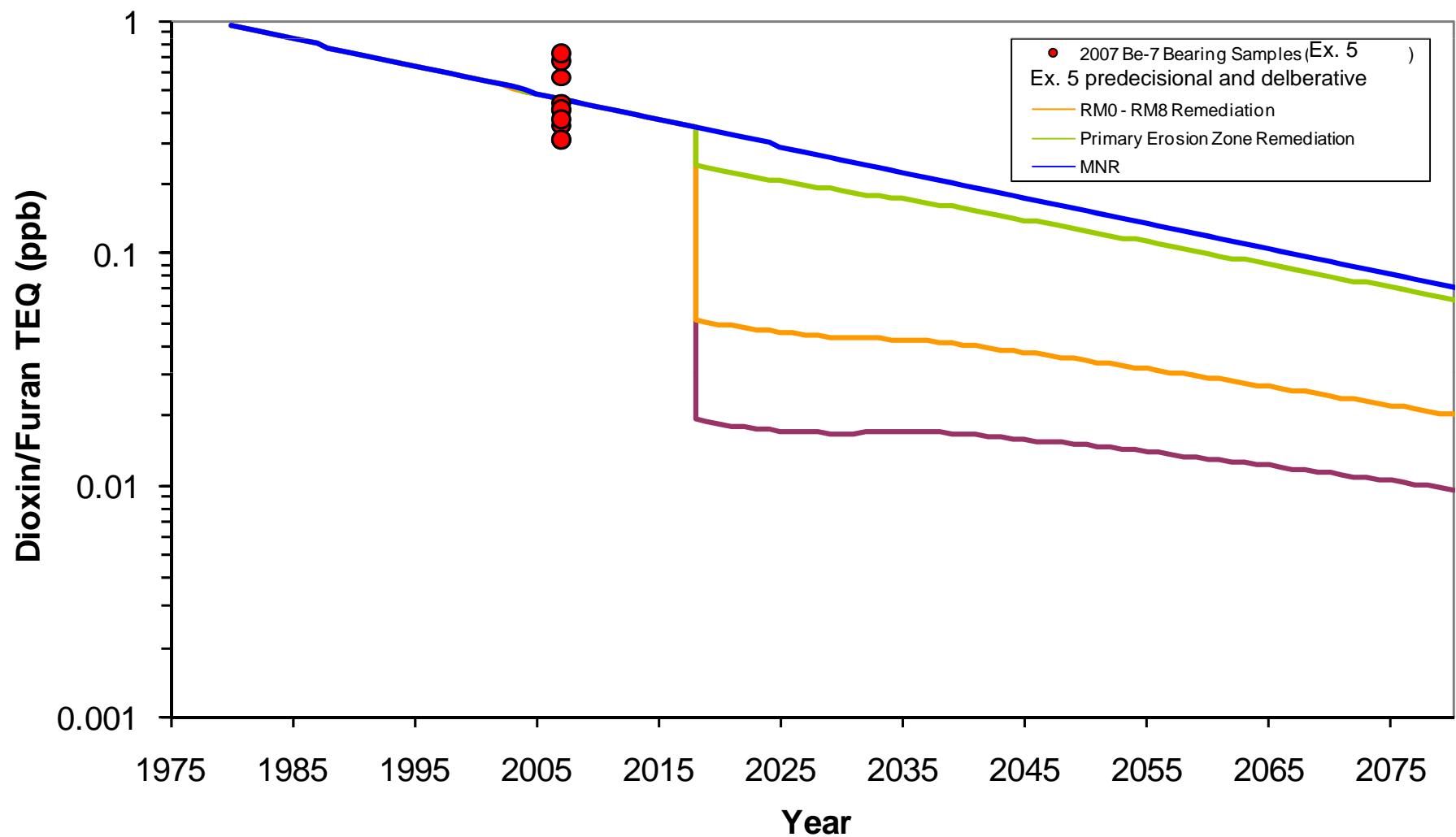
September 2008



HMW PAH
Comparison of Estimated Trajectories for Remediation Options for Be-7
Bearing Sediment Ex. 5
Lower Passaic River Restoration Project

Figure 20-27

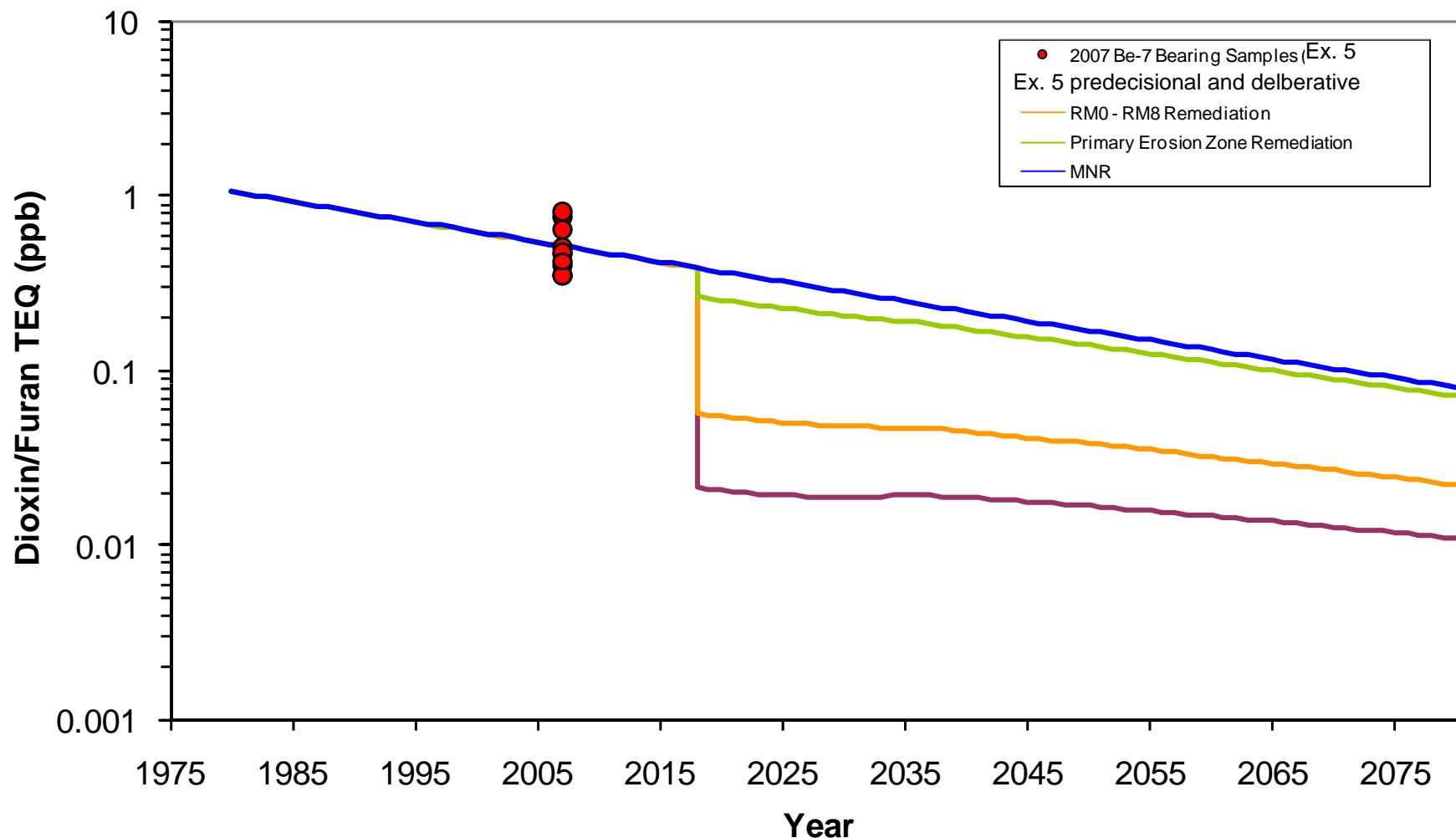
September 2008



Dioxin/Furan TEQ (Fish)
Comparison of Estimated Trajectories for Remediation Options for Be-7
Bearing Sediment (Ex. 5)
Lower Passaic River Restoration Project

Figure 20-28

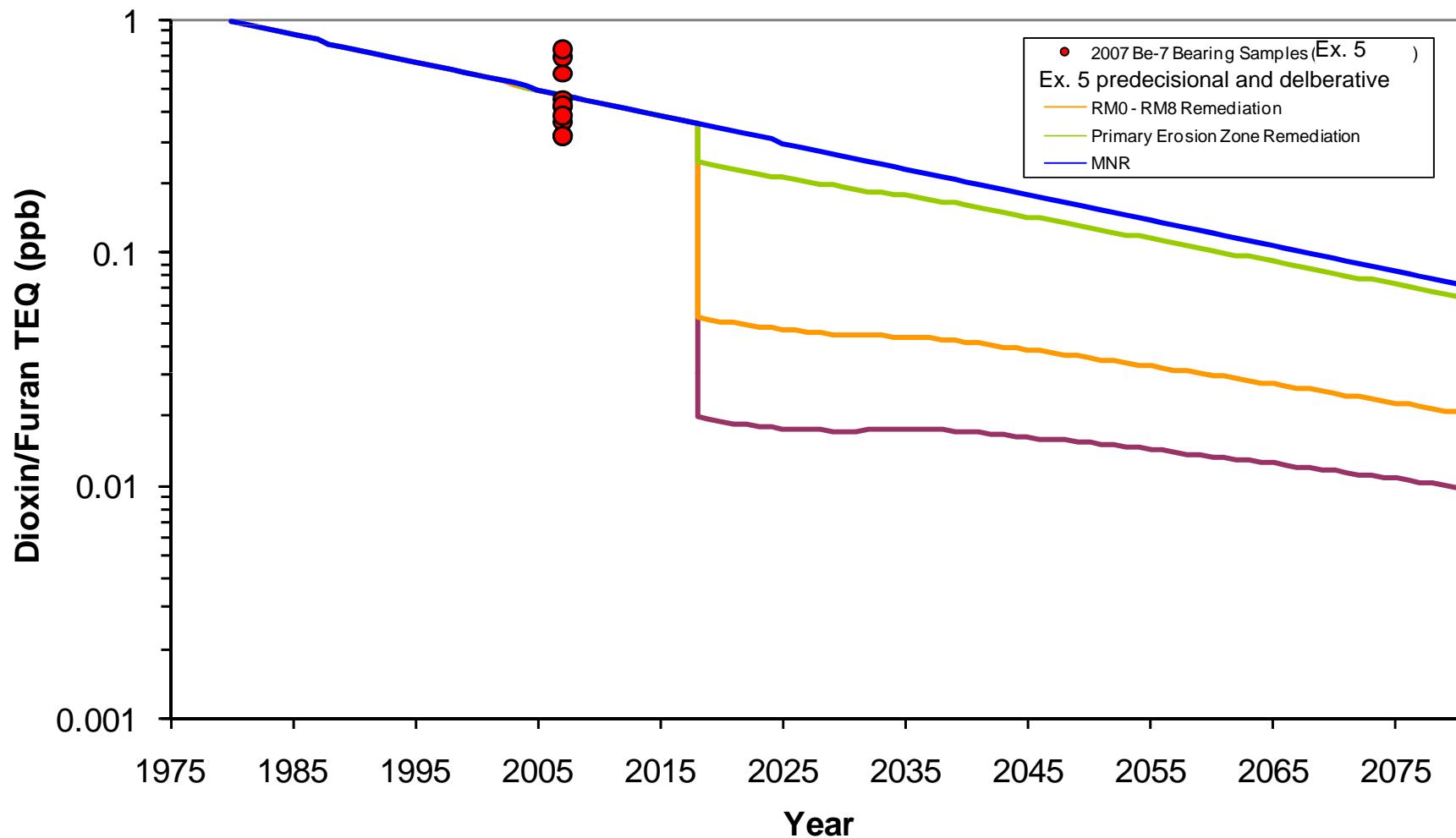
September 2008



Dioxin/Furan TEQ (Bird)
Comparison of Estimated Trajectories for Remediation Options for Be-7
Bearing Sediment (Ex. 5)
Lower Passaic River Restoration Project

Figure 20-29

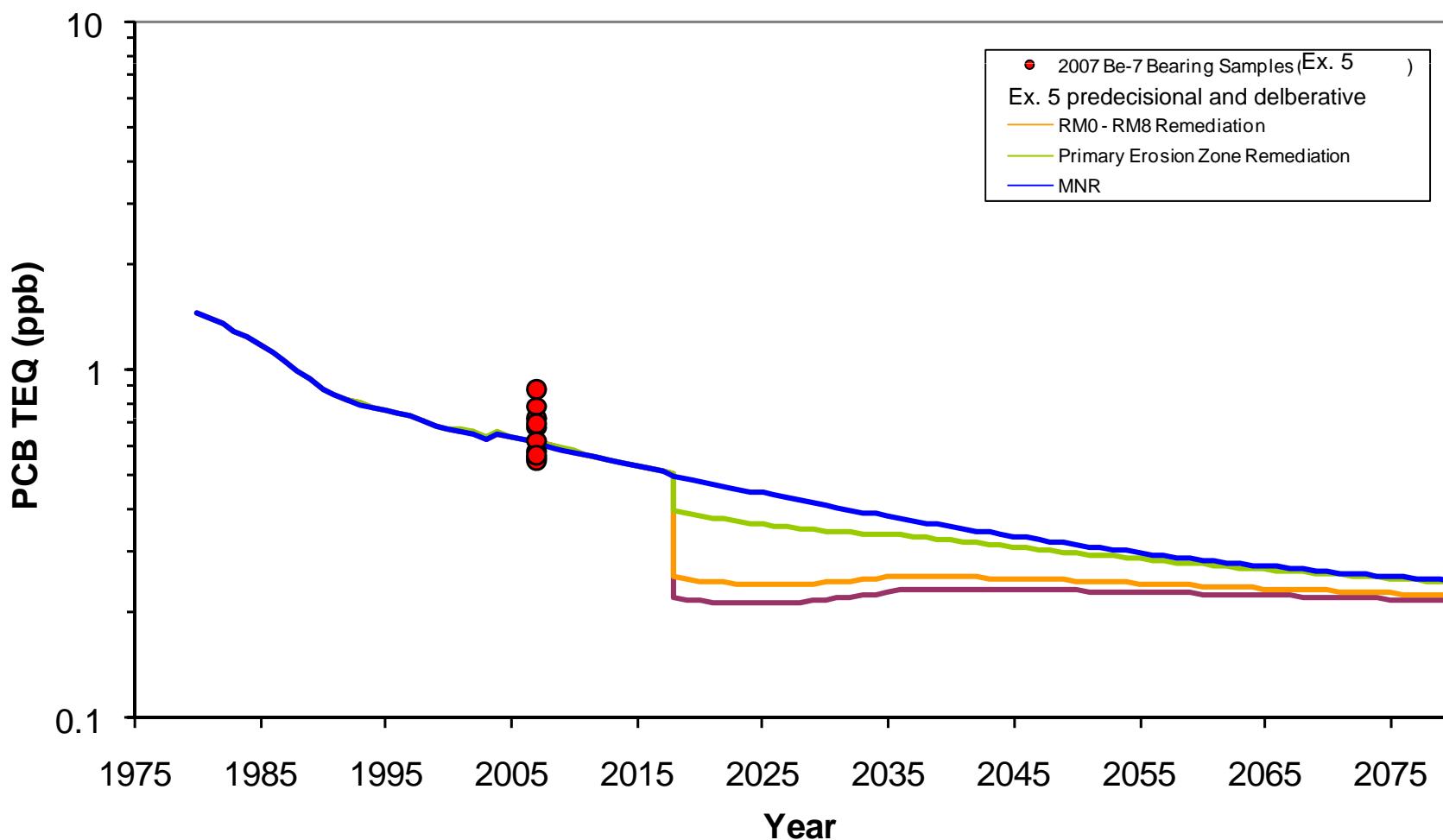
September 2008



Dioxin/Furan TEQ (Mammal)
Comparison of Estimated Trajectories for Remediation Options for Be-7
Bearing Sediment (Ex. 5)
Lower Passaic River Restoration Project

Figure 20-30

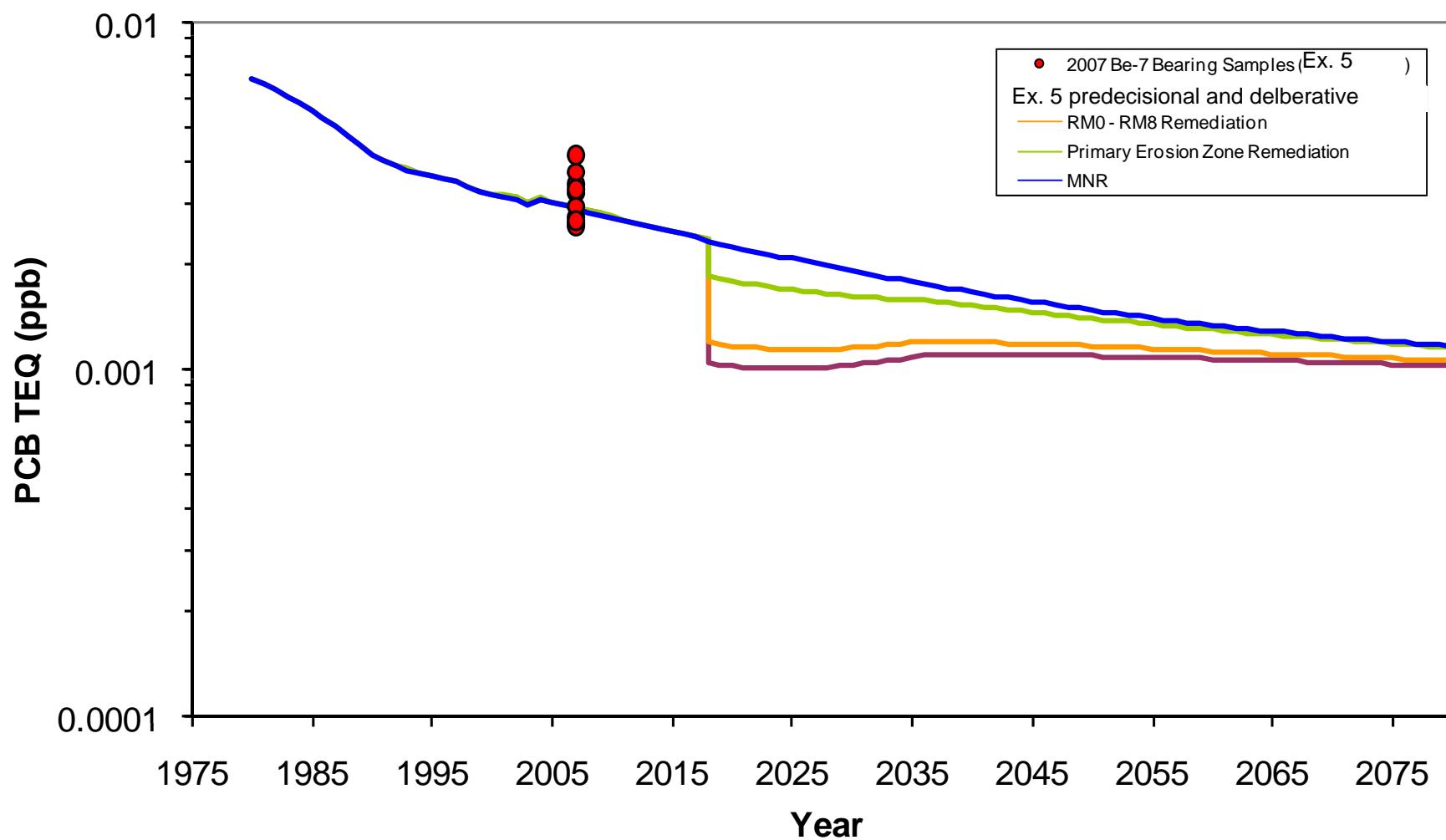
September 2008



PCB TEQ (Fish)
Comparison of Estimated Trajectories for Remediation Options for Be-7
Bearing Sediment Ex. 5
Lower Passaic River Restoration Project

Figure 20-31

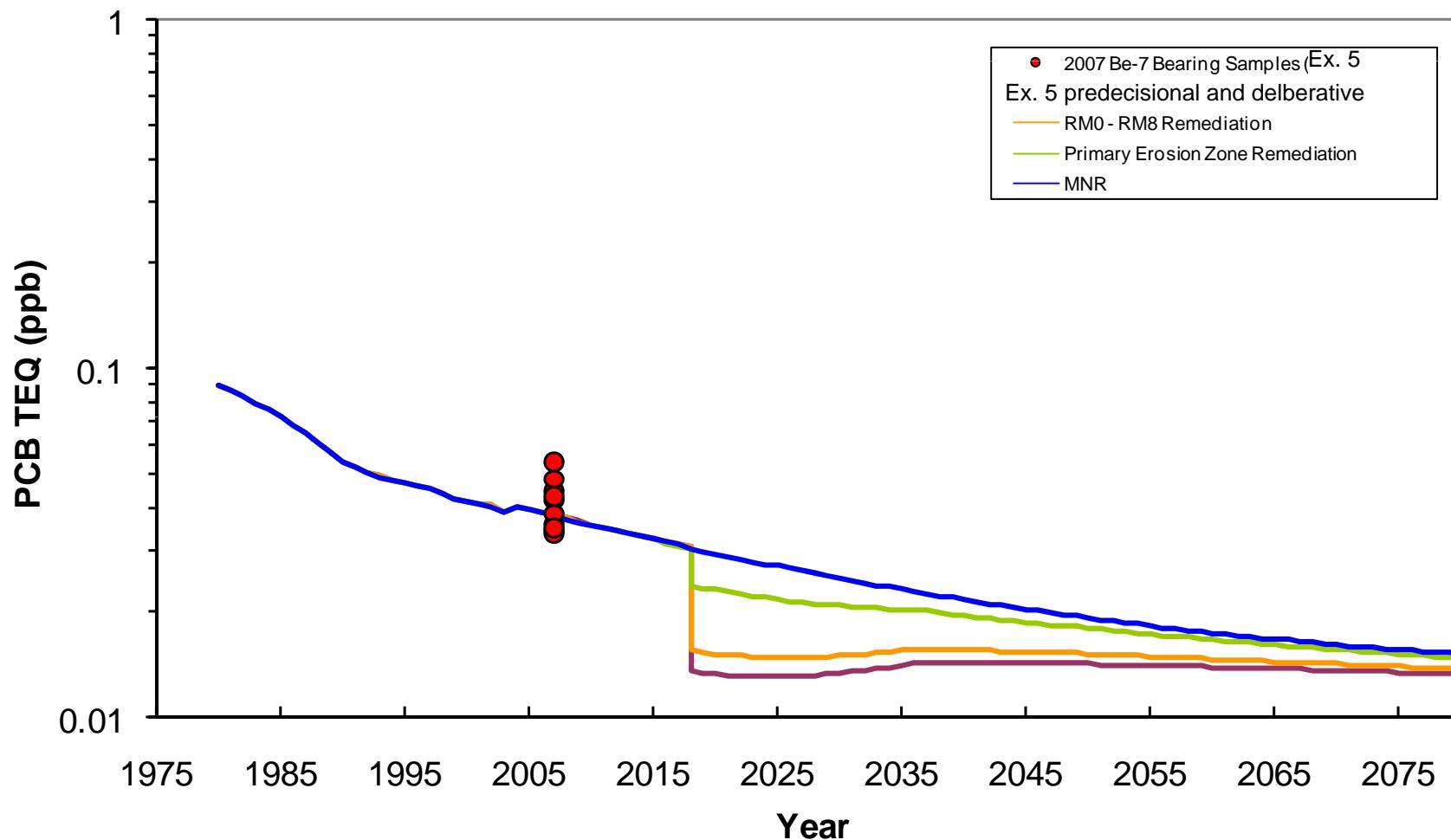
September 2008



PCB TEQ (Bird)
Comparison of Estimated Trajectories for Remediation Options for Be-7
Bearing Sediment (Ex. 5)
Lower Passaic River Restoration Project

Figure 20-32

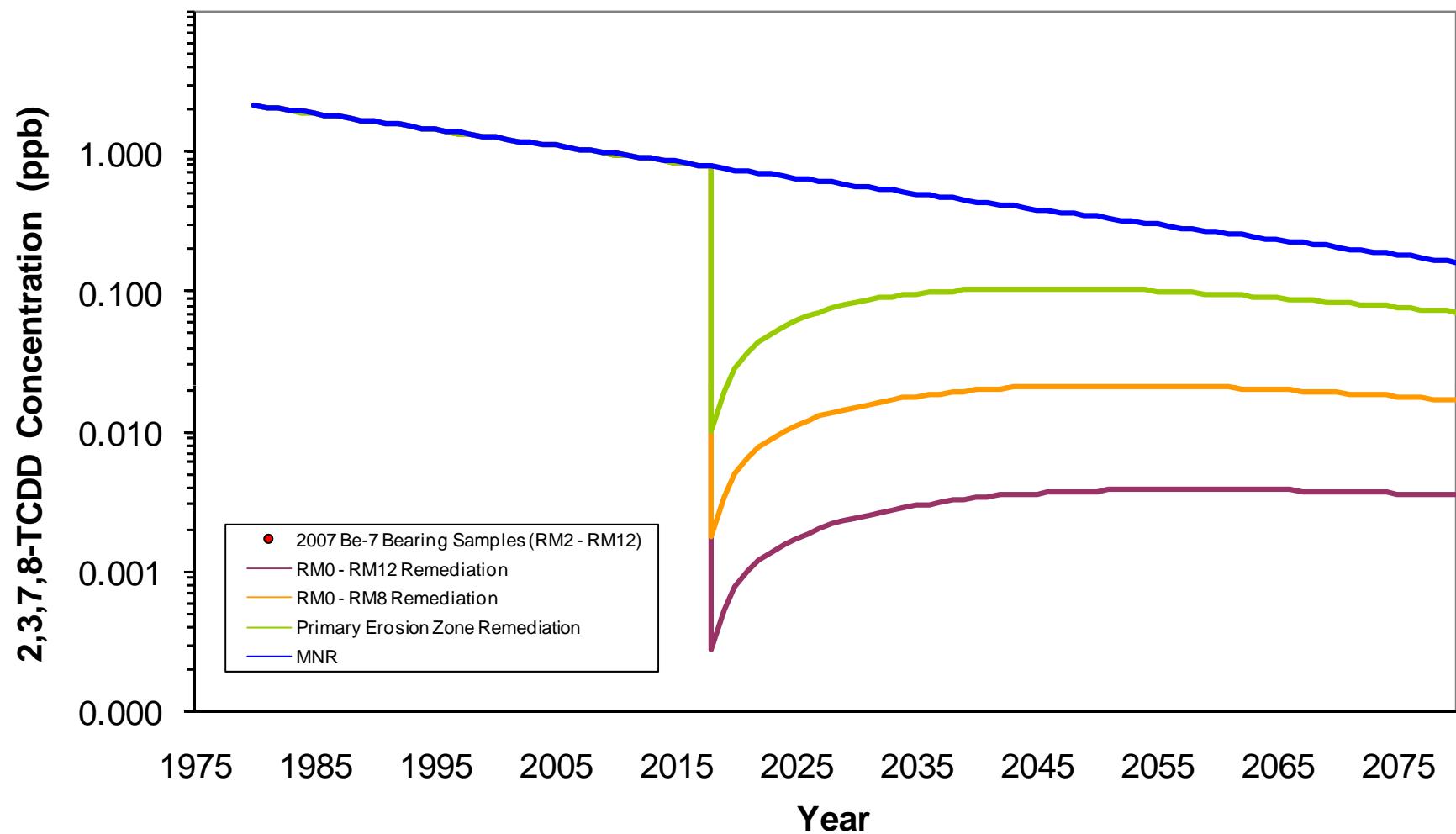
September 2008



PCB TEQ (Mammal)
Comparison of Estimated Trajectories for Remediation Options for Be-7
Bearing Sediment (Ex. 5)
Lower Passaic River Restoration Project

Figure 20-33

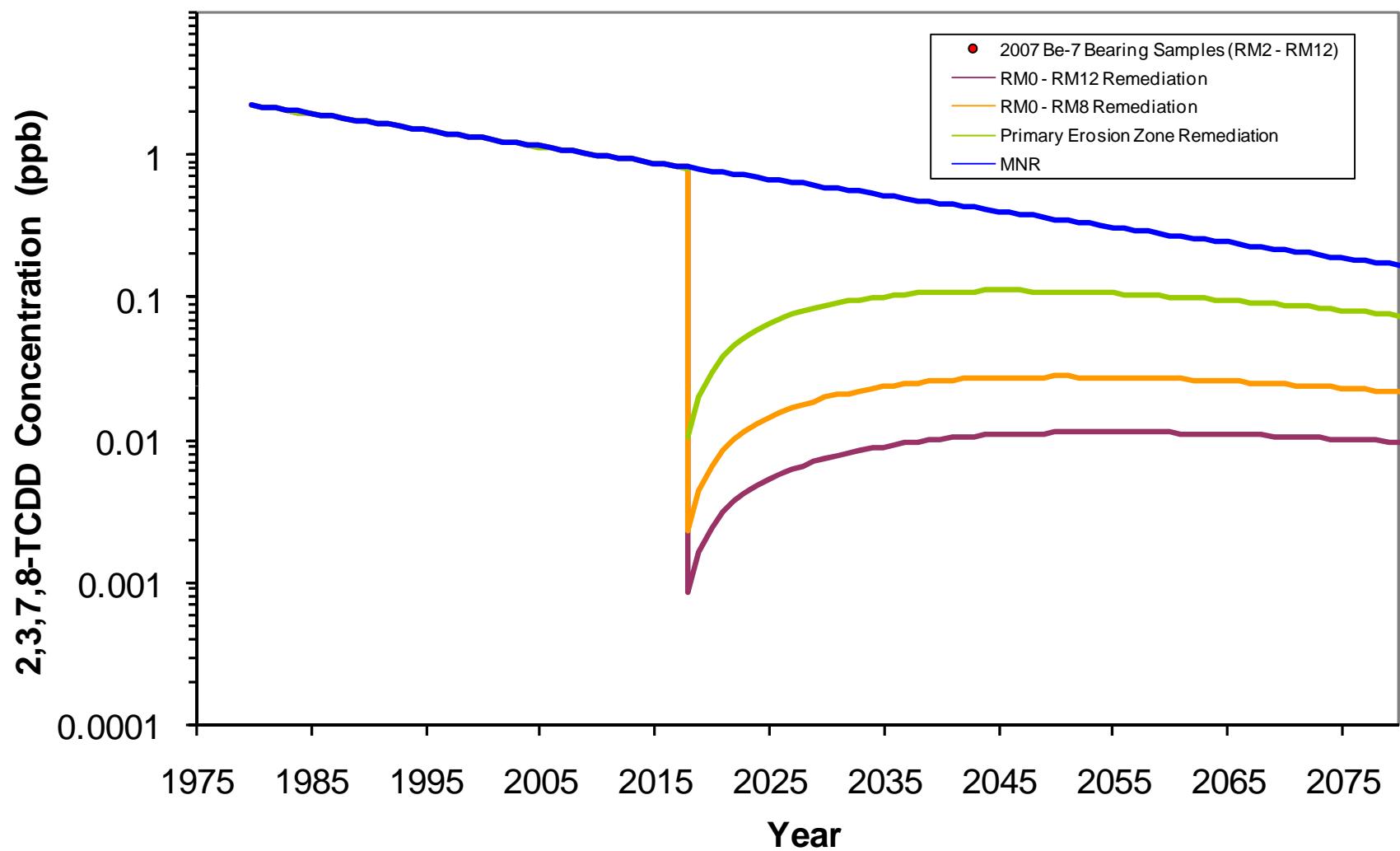
September 2008



2,3,7,8-TCDD
Comparison of Estimated Trajectories for Remediation Options for 0-6 inch
Biologically Active Layer
Lower Passaic River Restoration Project

Figure 20-34

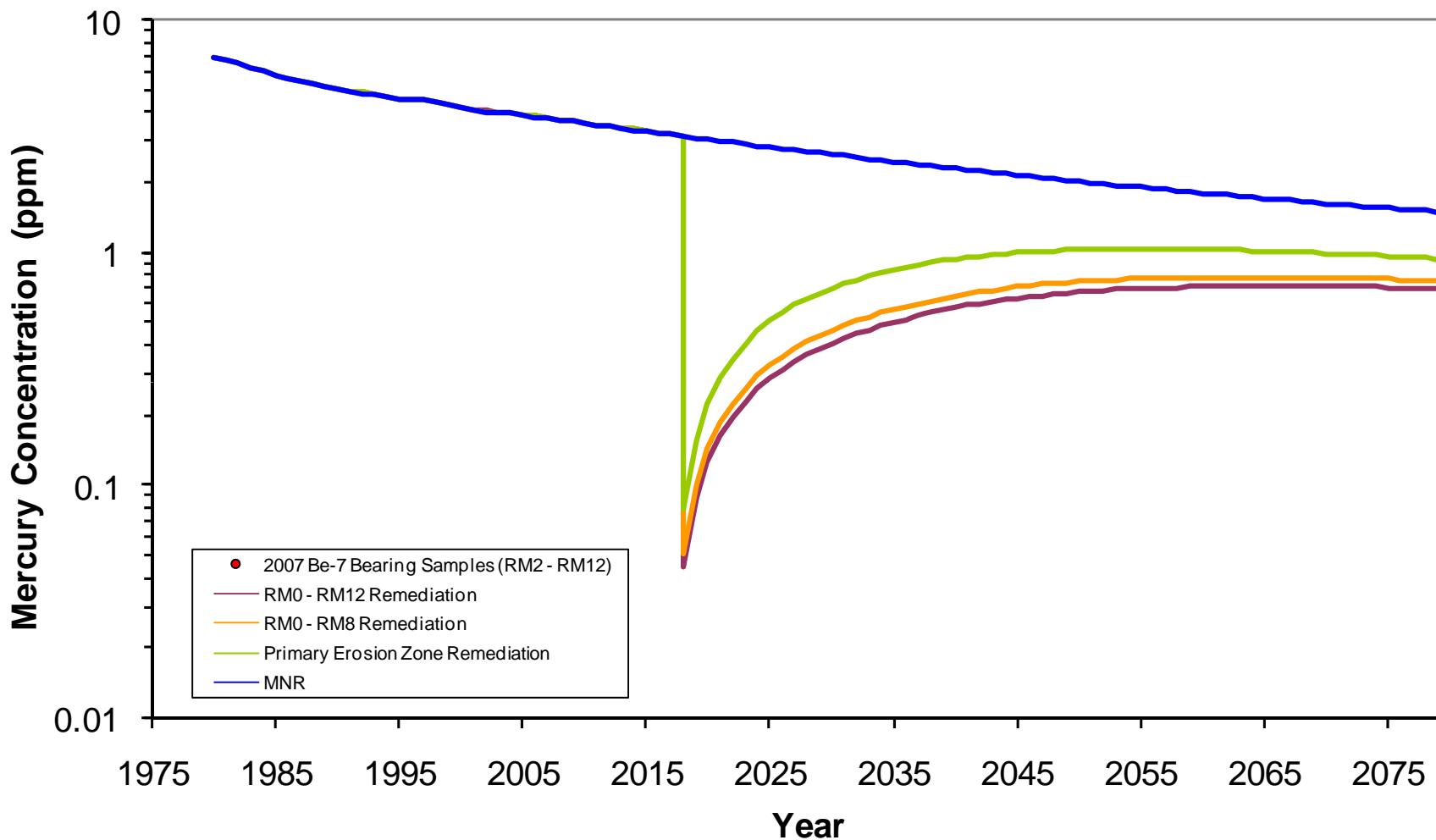
September 2008



2,3,7,8-TCDD
Comparison of Estimated Trajectories for Remediation Options for 0-6 inch
Biologically Active Layer in Capped Regions
Lower Passaic River Restoration Project

Figure 20-35

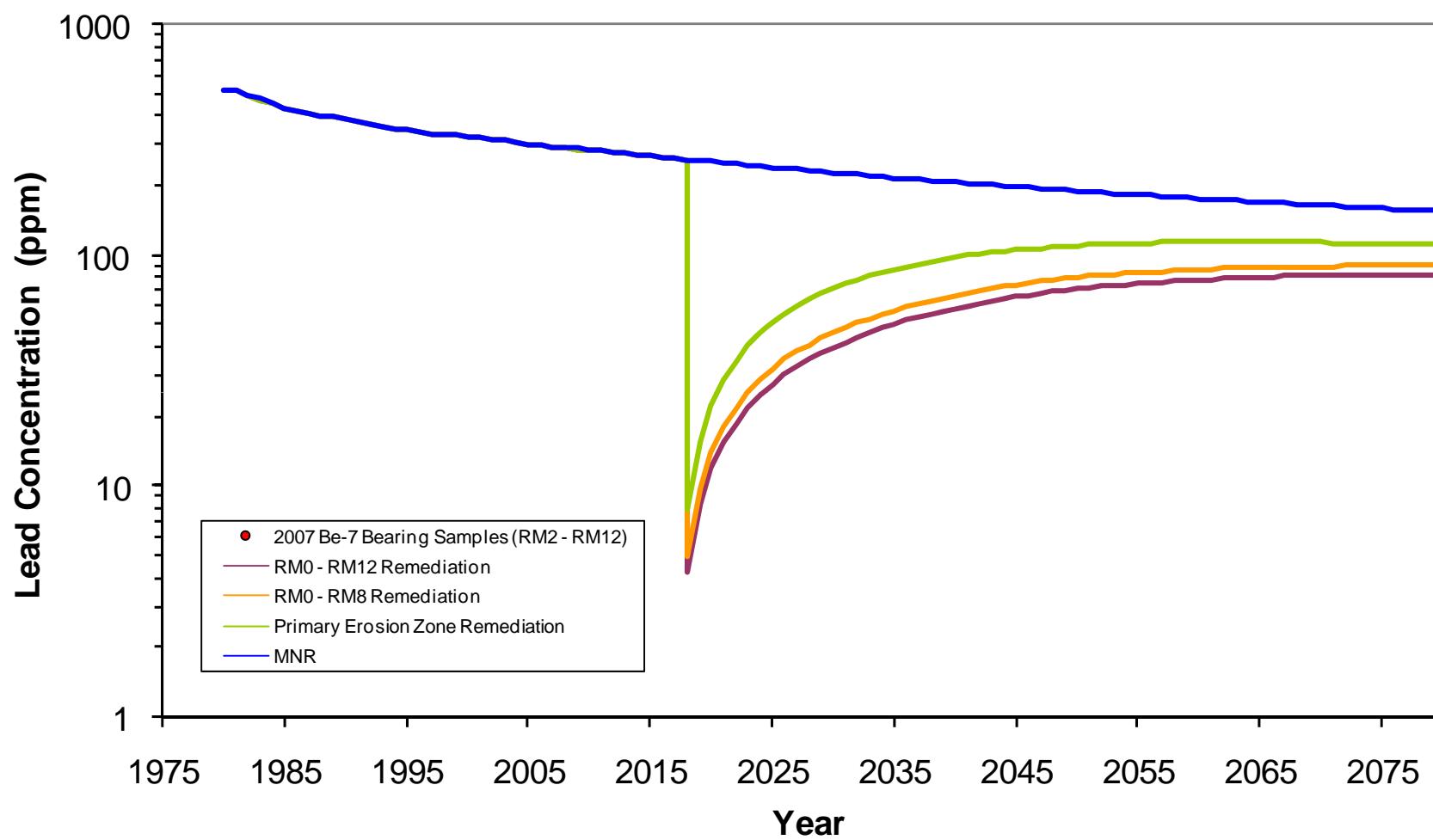
September 2008



Mercury
Comparison of Estimated Trajectories for Remediation Options for 0-6 inch
Biologically Active Layer in Capped Regions
Lower Passaic River Restoration Project

Figure 20-36

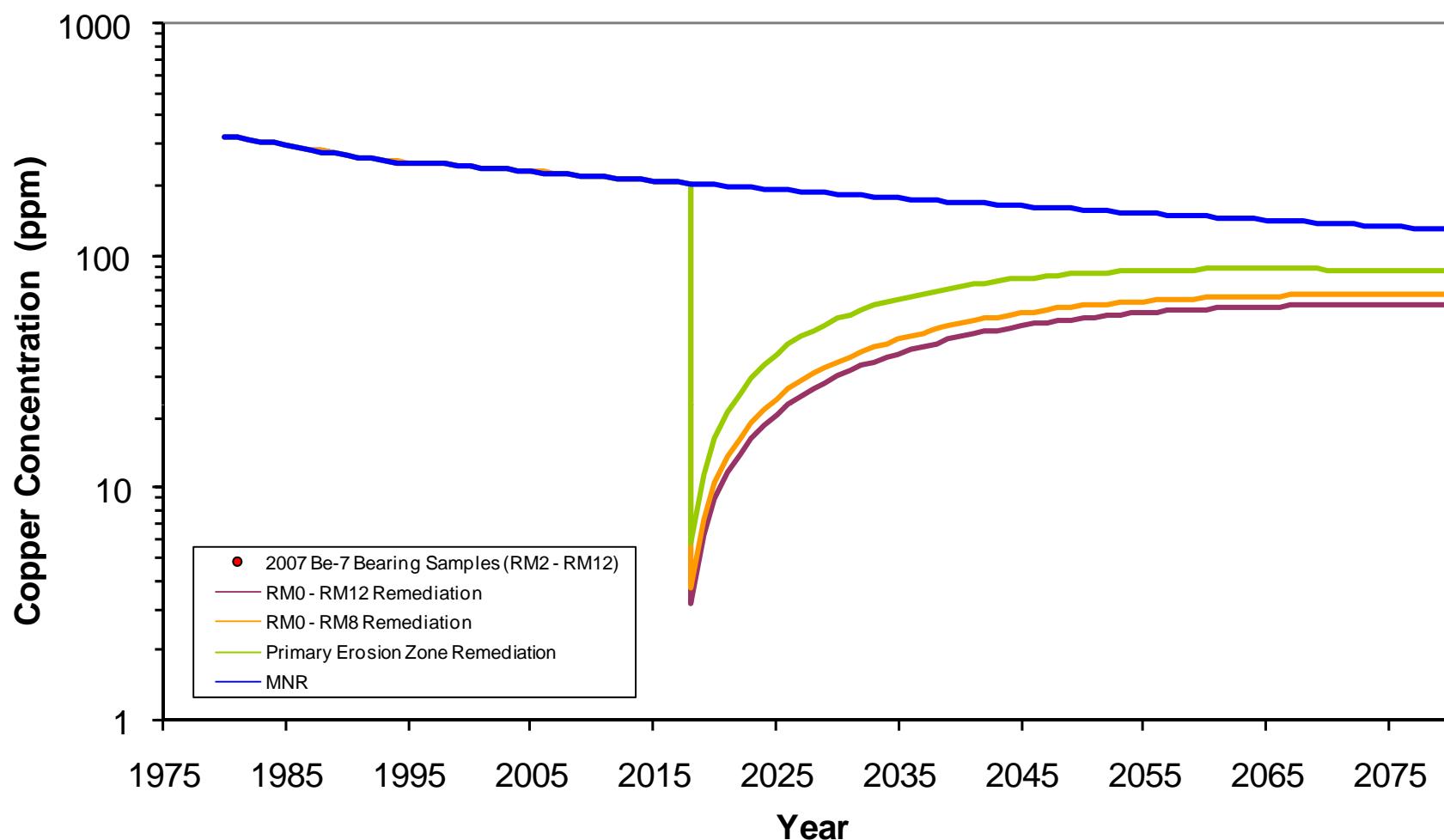
September 2008



Lead
Comparison of Estimated Trajectories for Remediation Options for 0-6 inch
Biologically Active Layer in Capped Regions
Lower Passaic River Restoration Project

Figure 20-37

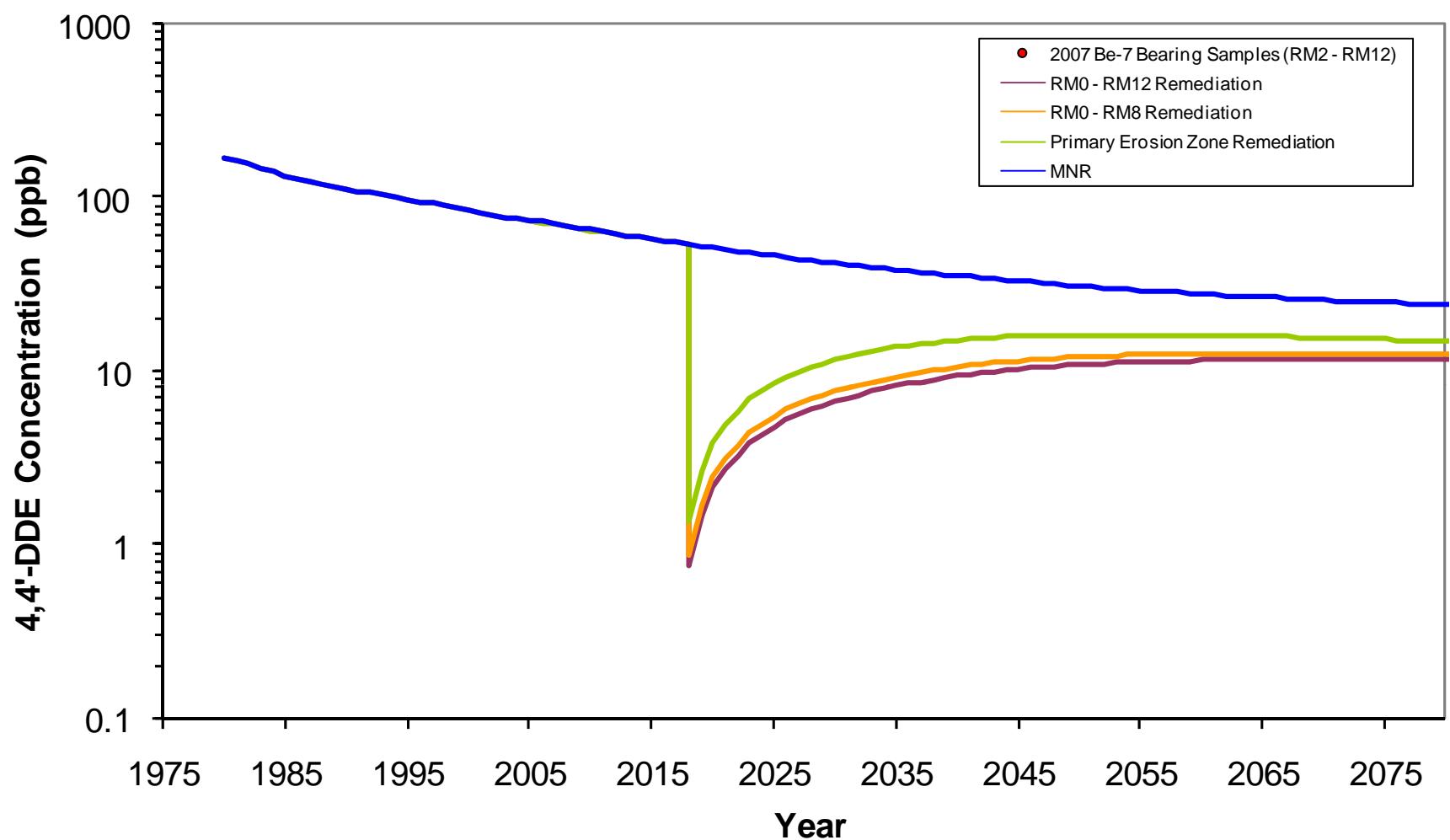
September 2008



Copper
Comparison of Estimated Trajectories for Remediation Options for 0-6 inch
Biologically Active Layer in Capped Regions
Lower Passaic River Restoration Project

Figure 20-38

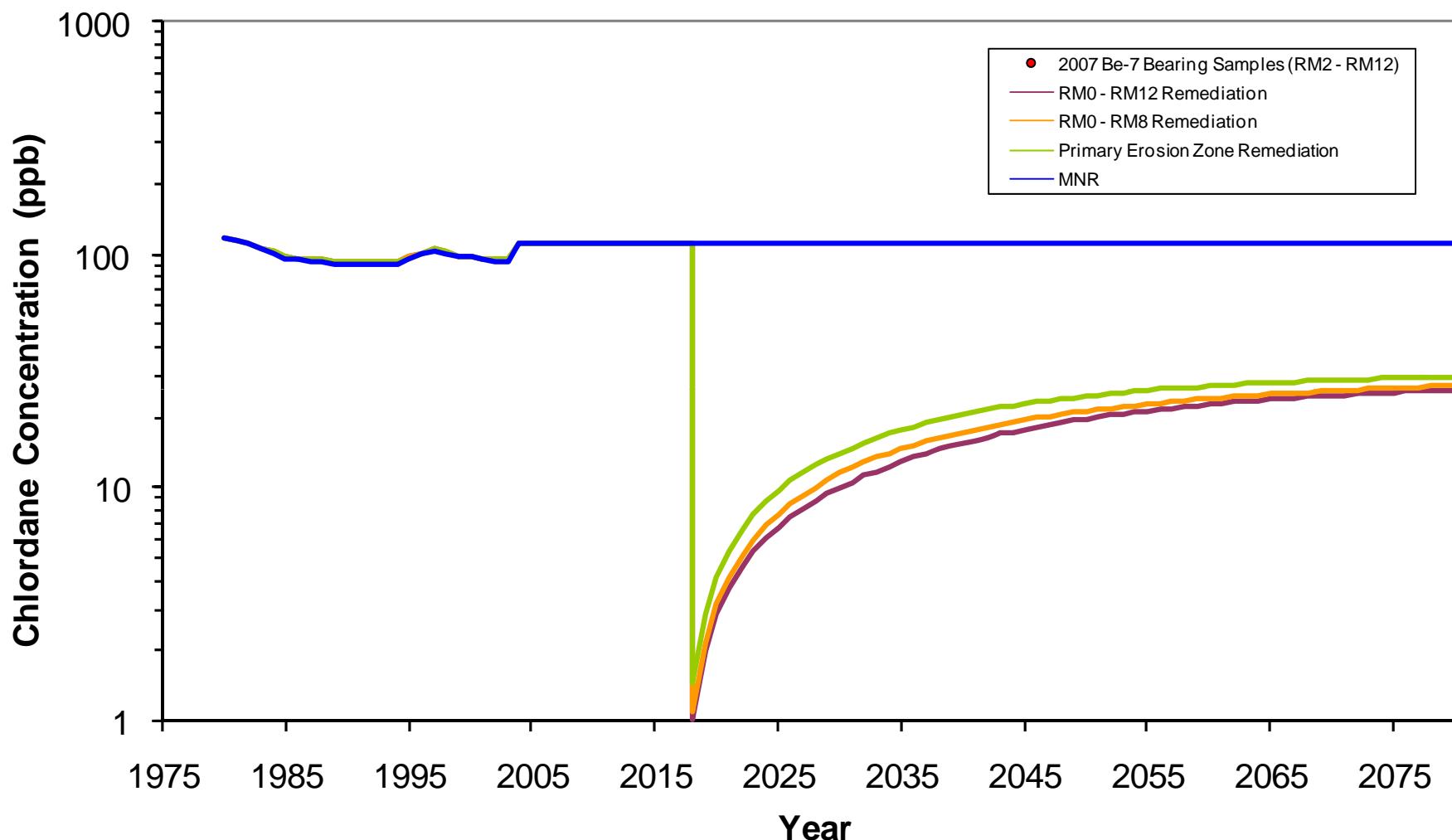
September 2008



4,4'-DDE
Comparison of Estimated Trajectories for Remediation Options for 0-6 inch
Biologically Active Layer in Capped Regions
Lower Passaic River Restoration Project

Figure 20-39

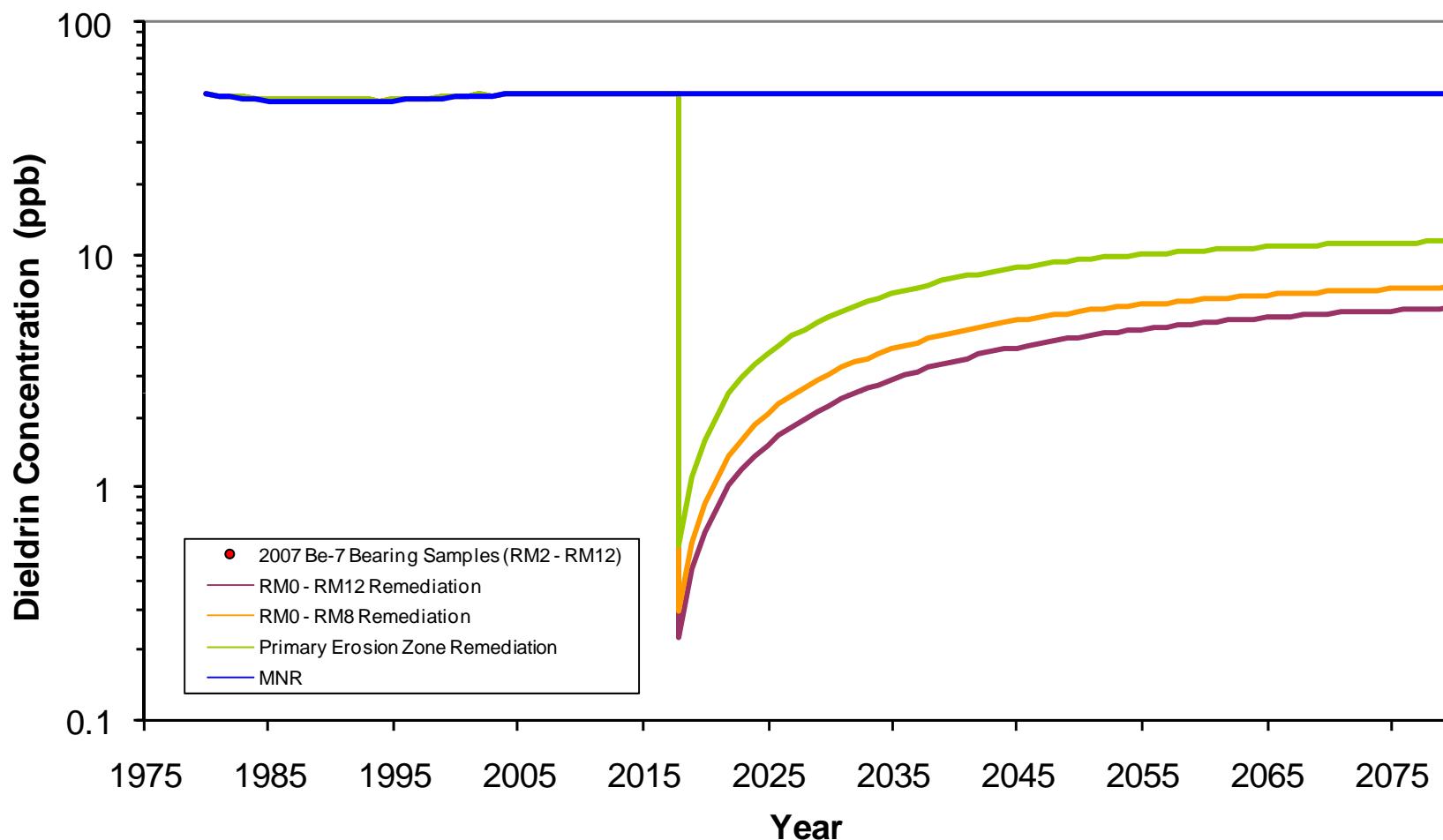
September 2008



Chlordane
Comparison of Estimated Trajectories for Remediation Options for 0-6 inch
Biologically Active Layer in Capped Regions
Lower Passaic River Restoration Project

Figure 20-40

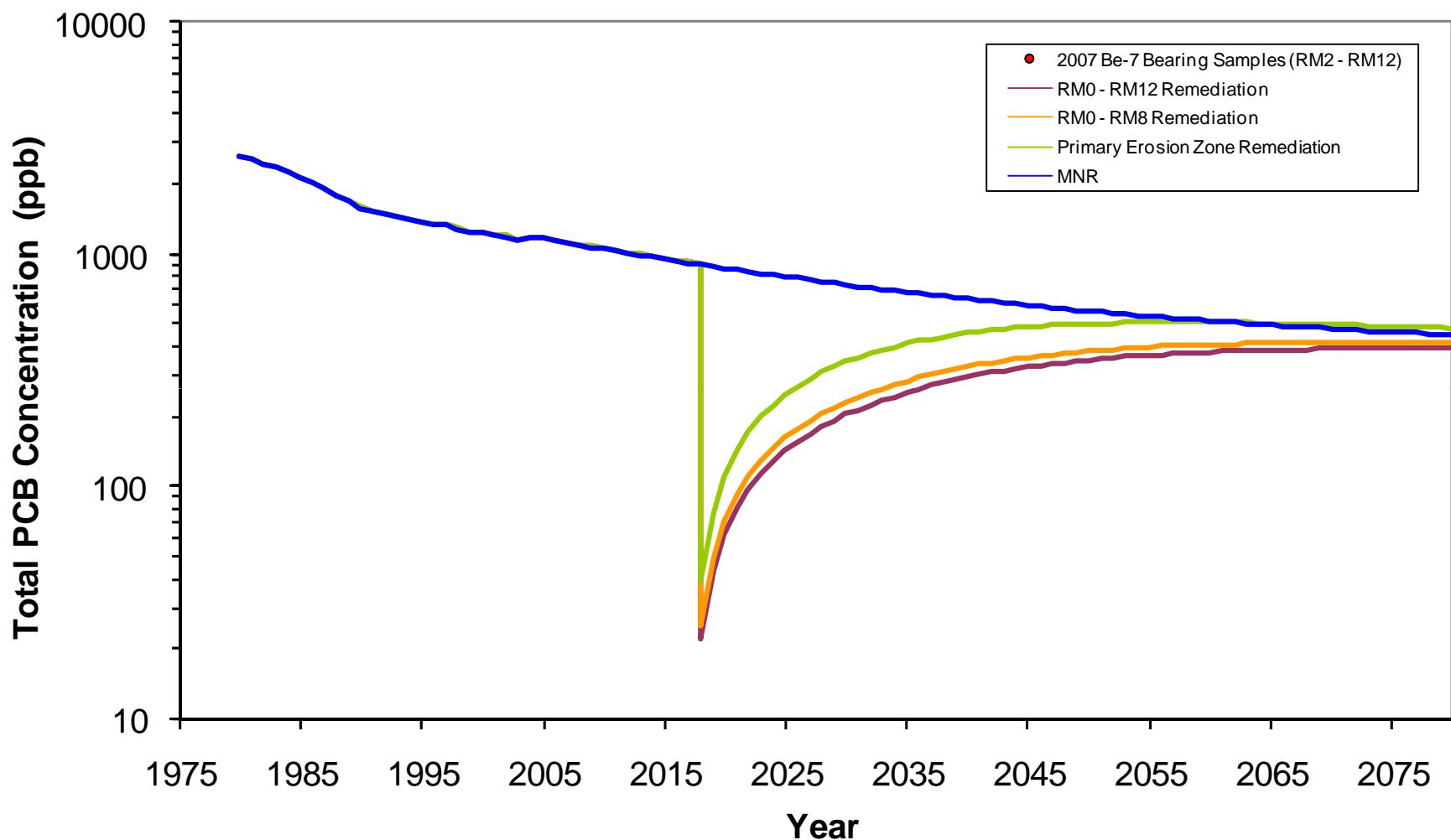
September 2008



Dieldrin
**Comparison of Estimated Trajectories for Remediation Options for 0-6 inch
 Biologically Active Layer in Capped Regions**
Lower Passaic River Restoration Project

Figure 20-41

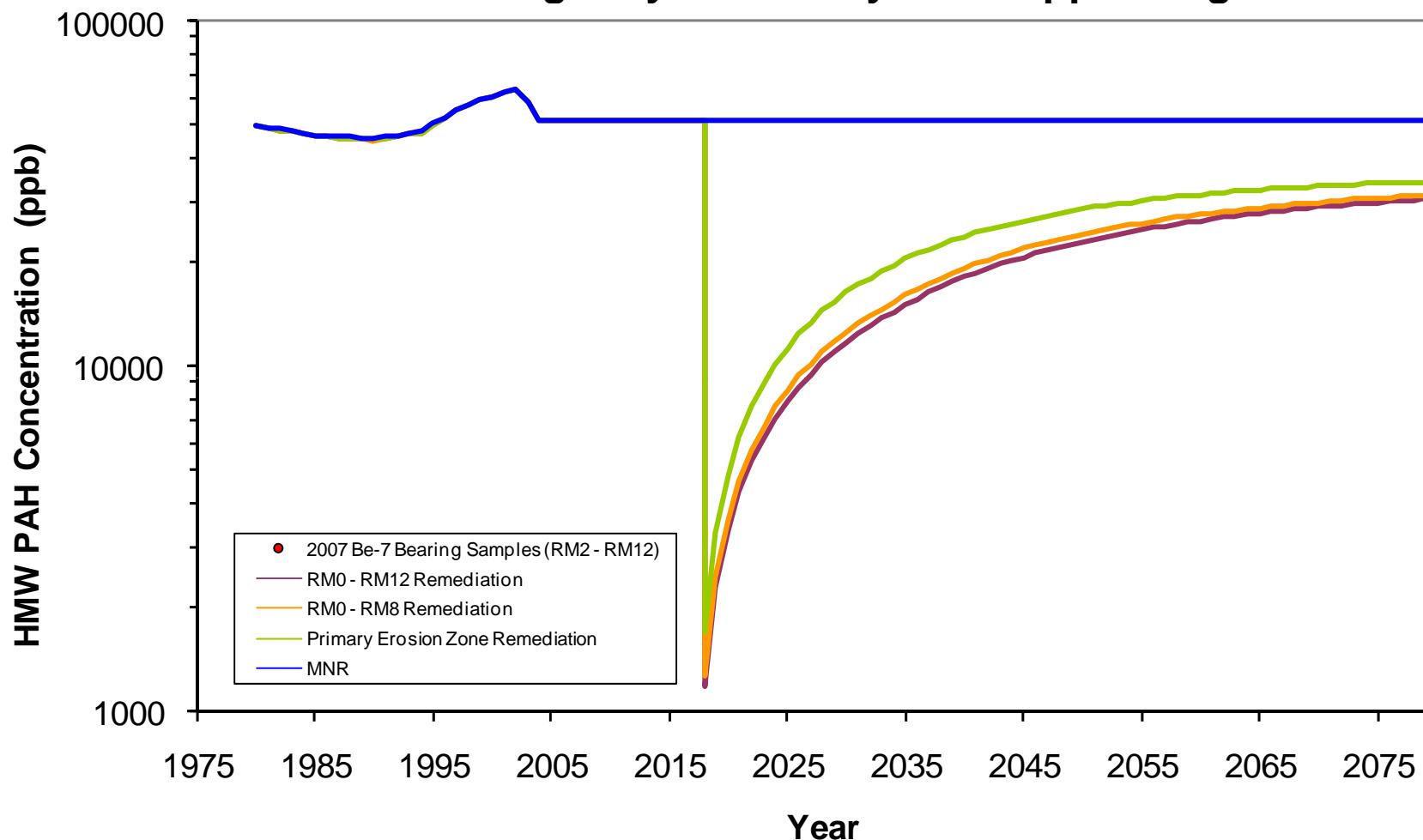
September 2008



Total PCB
Comparison of Estimated Trajectories for Remediation Options for 0-6 inch
Biologically Active Layer in Capped Regions
Lower Passaic River Restoration Project

Figure 20-42

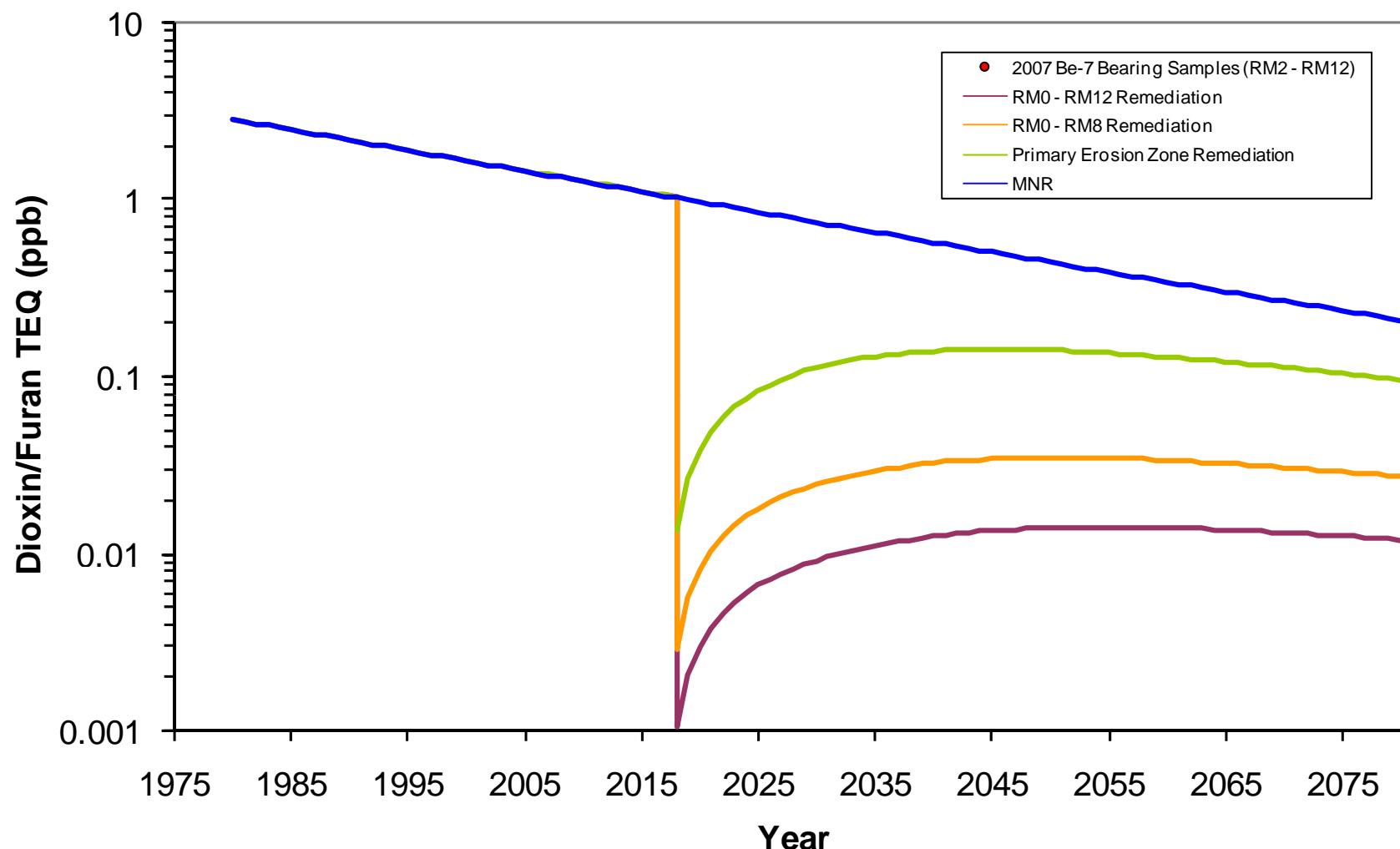
September 2008



HMW PAH
Comparison of Estimated Trajectories for Remediation Options for 0-6 inch
Biologically Active Layer in Capped Regions
Lower Passaic River Restoration Project

Figure 20-43

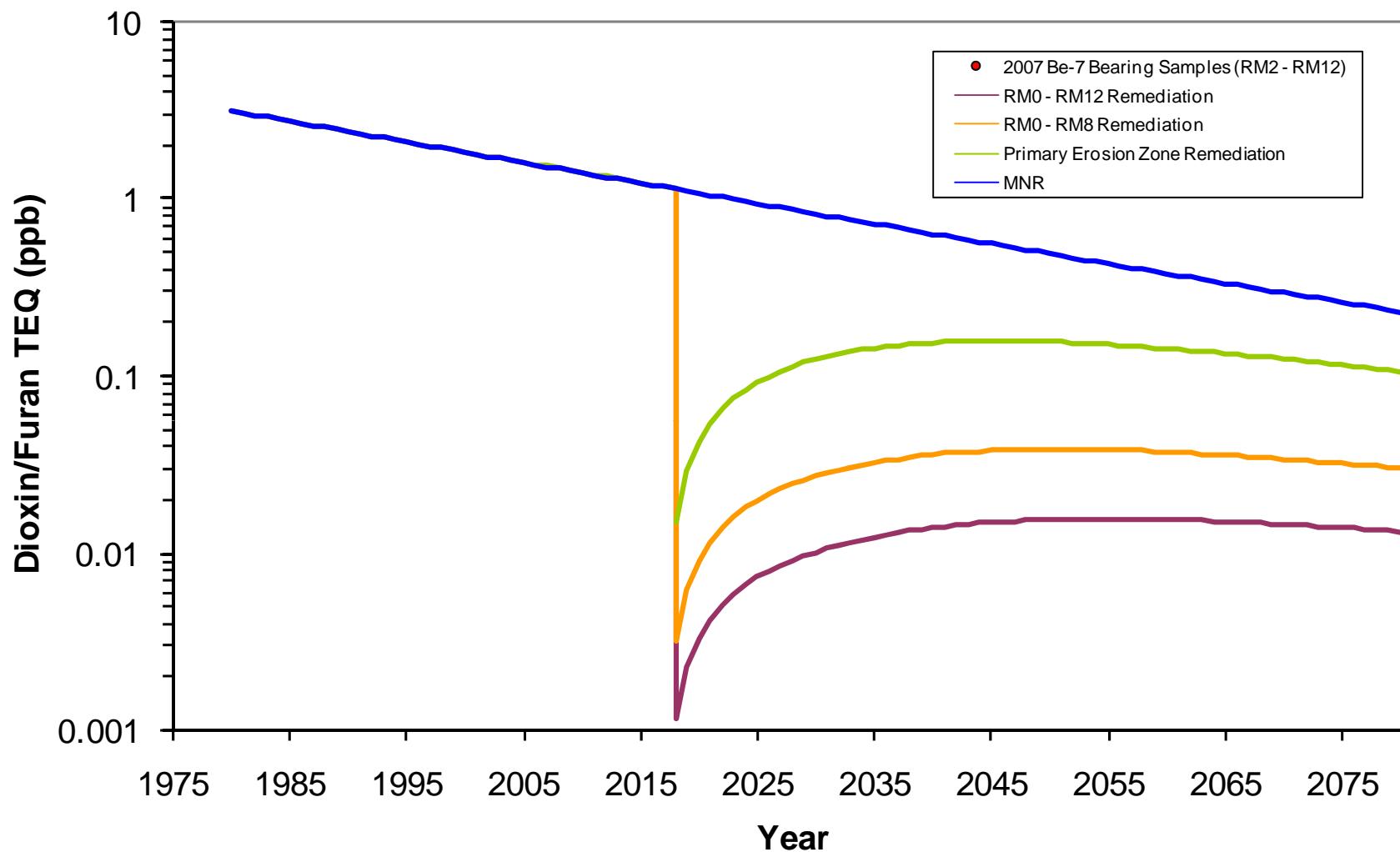
September 2008



Dioxin/Furan TEQ (Fish)
Comparison of Estimated Trajectories for Remediation Options for 0-6 inch
Biologically Active Layer in Capped Regions
Lower Passaic River Restoration Project

Figure 20-44

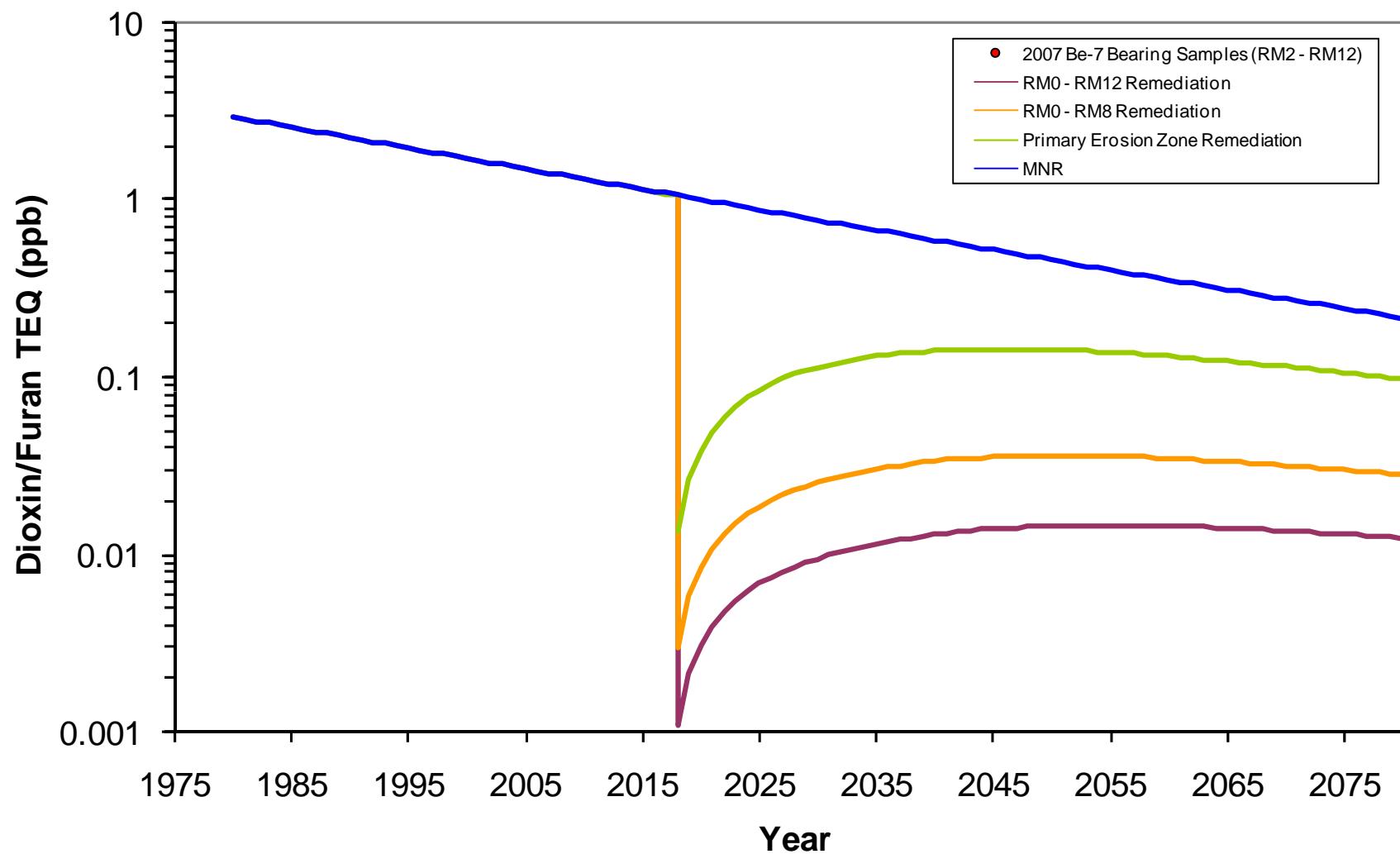
September 2008



Dioxin/Furan TEQ (Bird)
Comparison of Estimated Trajectories for Remediation Options for 0-6 inch
Biologically Active Layer in Capped Regions
Lower Passaic River Restoration Project

Figure 20-45

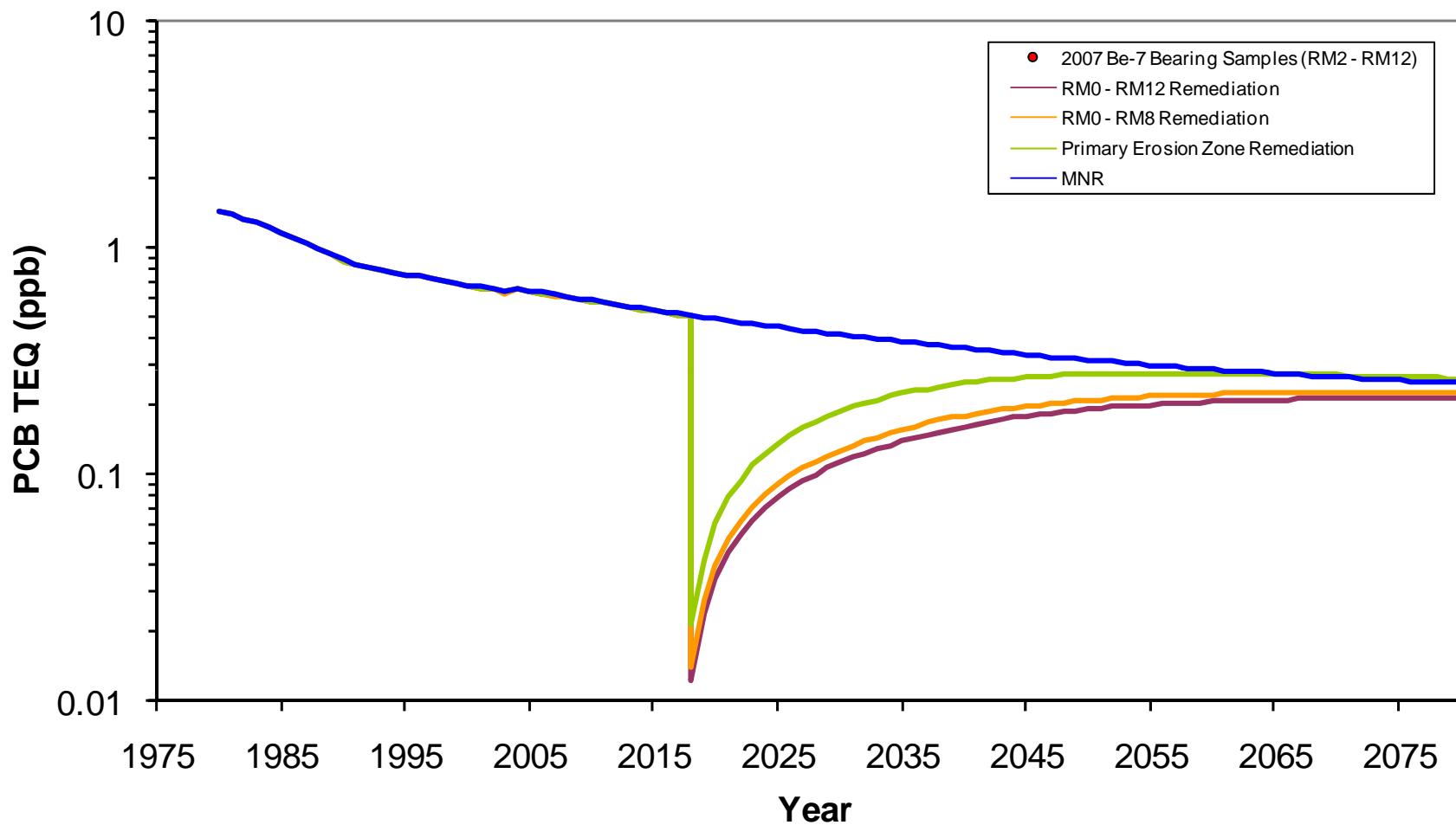
September 2008



Dioxin/Furan TEQ (Mammal)
Comparison of Estimated Trajectories for Remediation Options for 0-6 inch
Biologically Active Layer in Capped Regions
Lower Passaic River Restoration Project

Figure 20-46

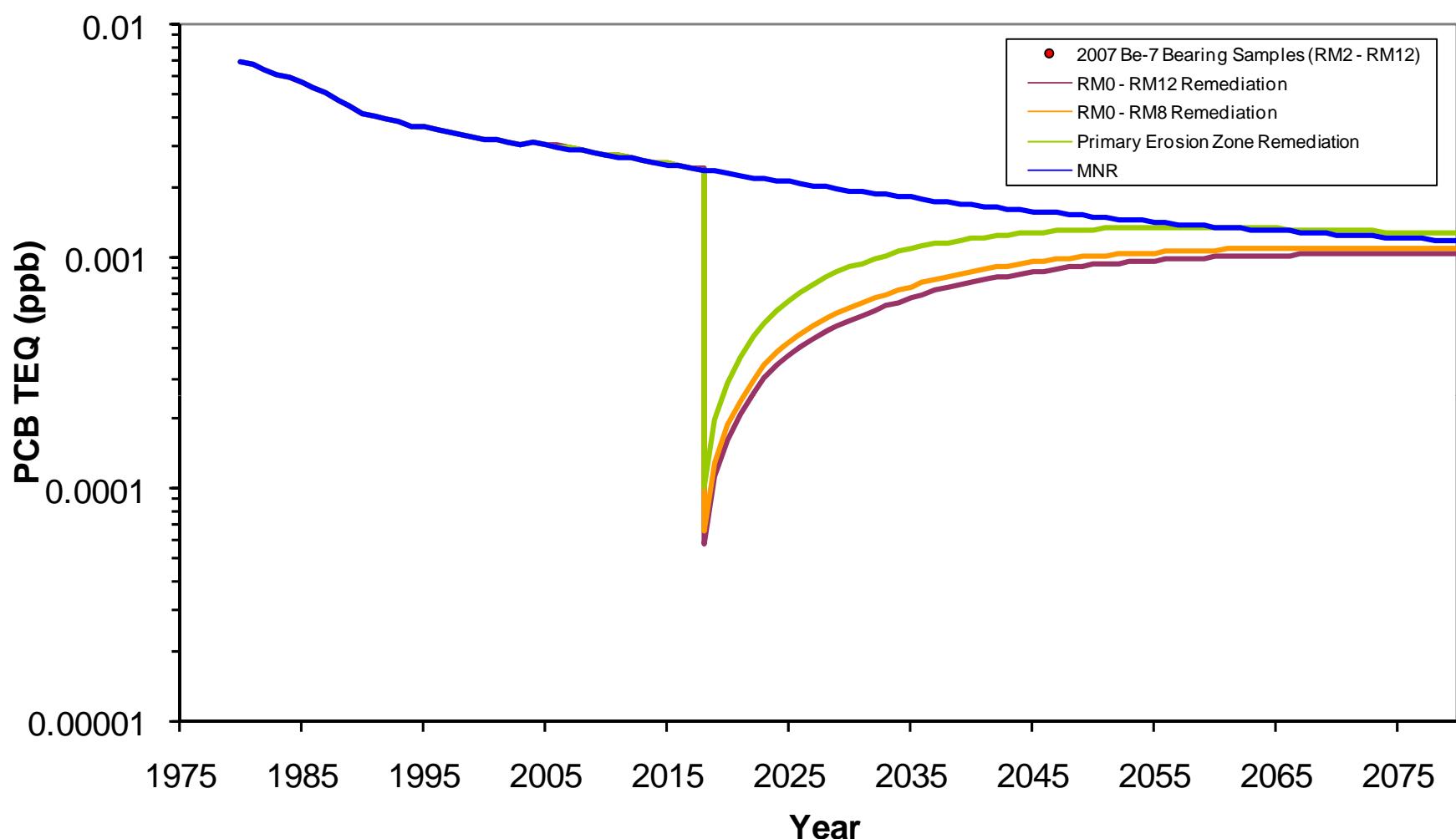
September 2008



PCB TEQ (Fish)
Comparison of Estimated Trajectories for Remediation Options for 0-6 inch
Biologically Active Layer in Capped Regions
Lower Passaic River Restoration Project

Figure 20-47

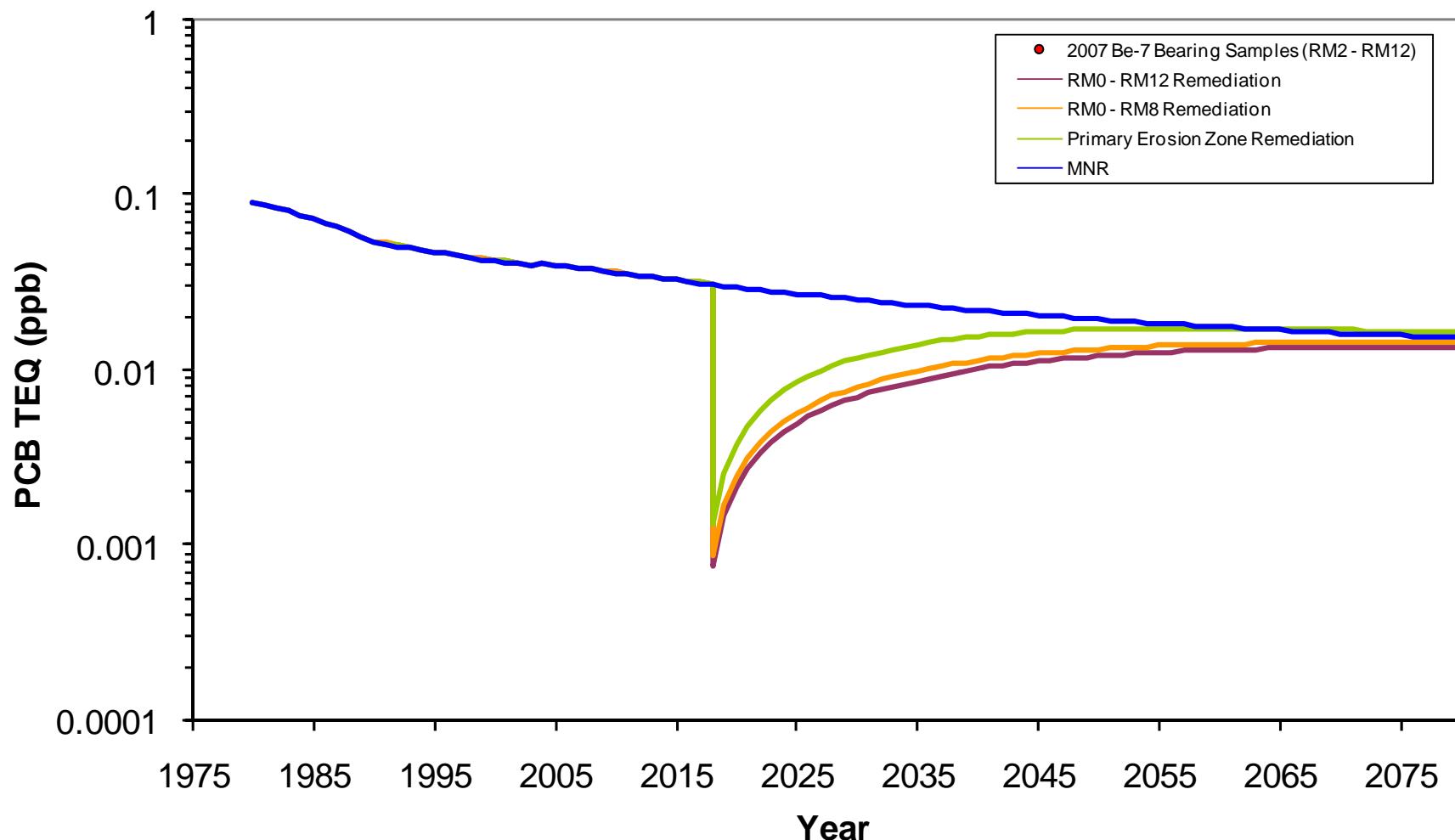
September 2008



PCB TEQ (Bird)
Comparison of Estimated Trajectories for Remediation Options for 0-6 inch
Biologically Active Layer in Capped Regions
Lower Passaic River Restoration Project

Figure 20-48

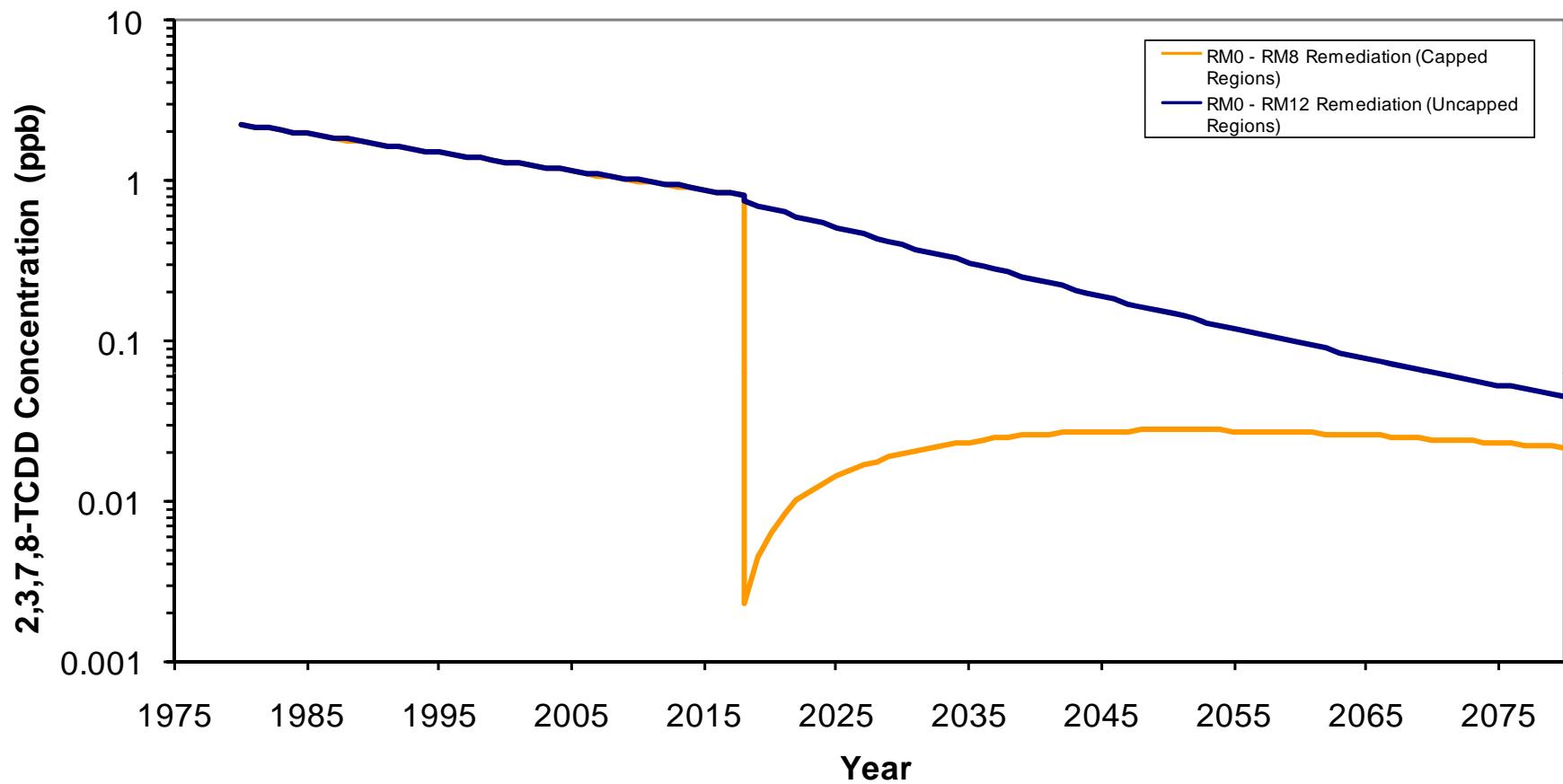
September 2008



PCB TEQ (Mammal)
Comparison of Estimated Trajectories for Remediation Options for 0-6 inch
Biologically Active Layer in Capped Regions
Lower Passaic River Restoration Project

Figure 20-49

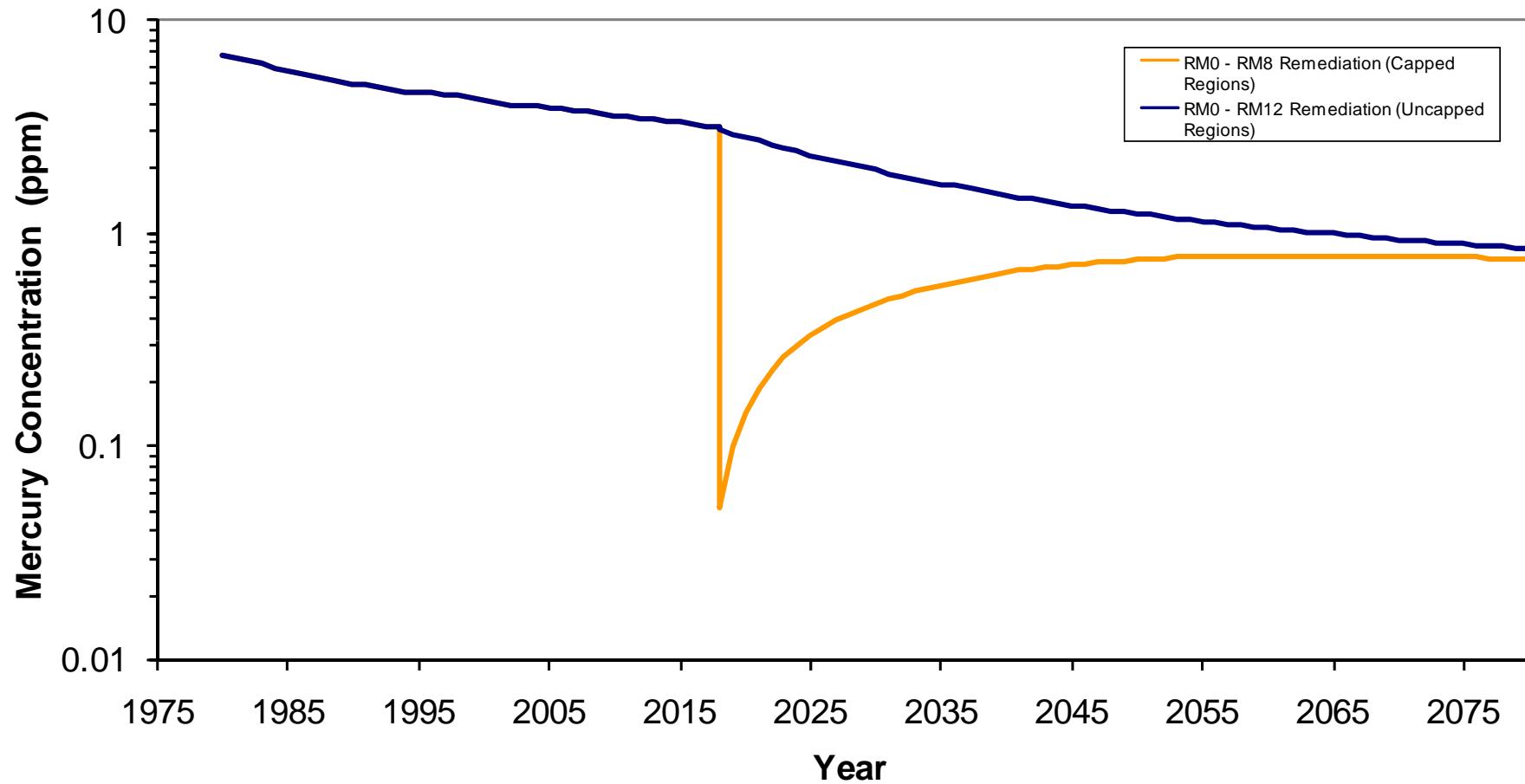
September 2008



2,3,7,8-TCDD
Comparison of Estimated Trajectories in Capped and Uncapped Regions for 0-
6 inch Biologically Active Layer after Capping and Dredging RM0 - RM8
Lower Passaic River Restoration Project

Figure 20-50

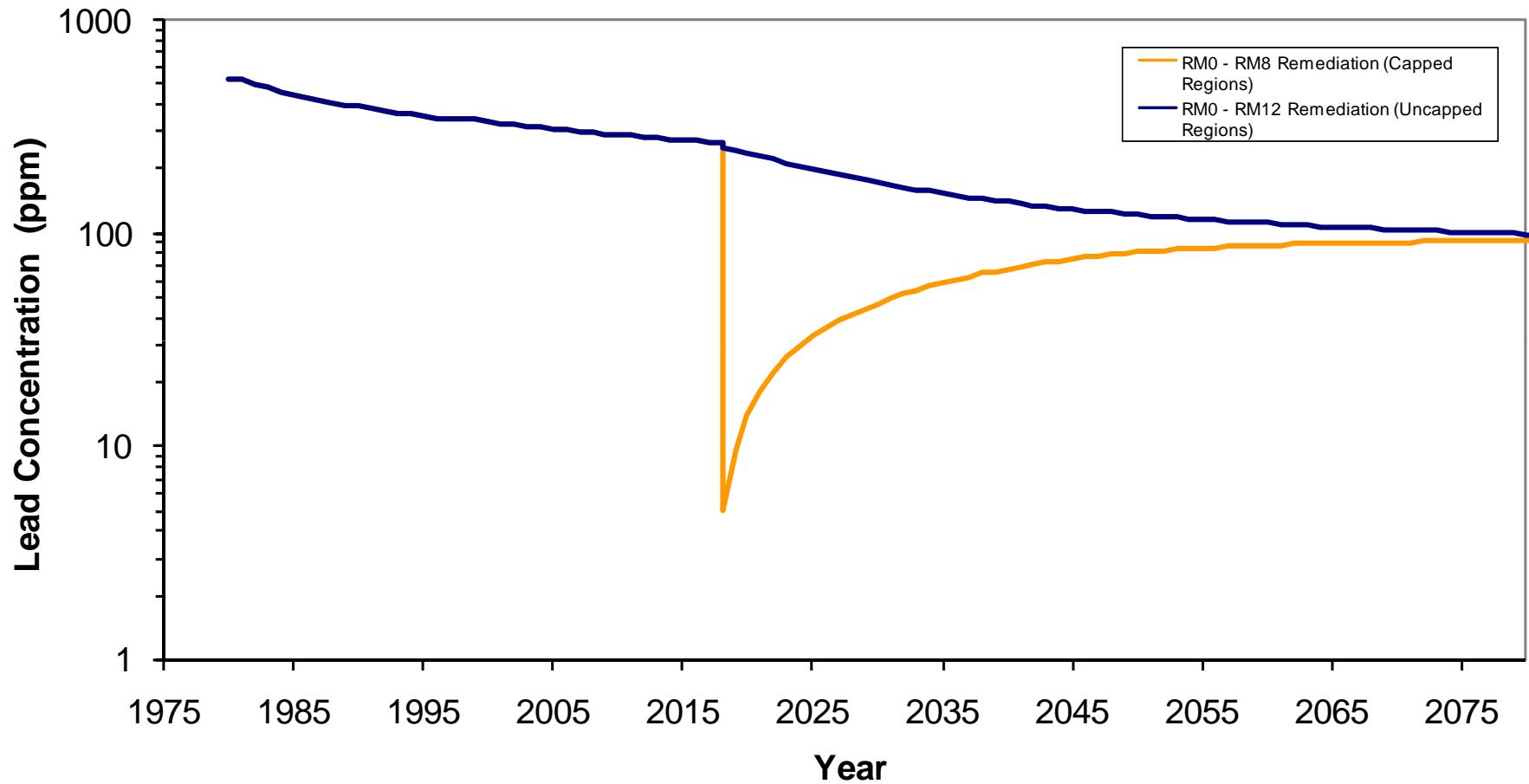
September 2008



Mercury
Comparison of Estimated Trajectories in Capped and Uncapped Regions for 0-
6 inch Biologically Active Layer after Capping and Dredging RM0 - RM8
Lower Passaic River Restoration Project

Figure 20-51

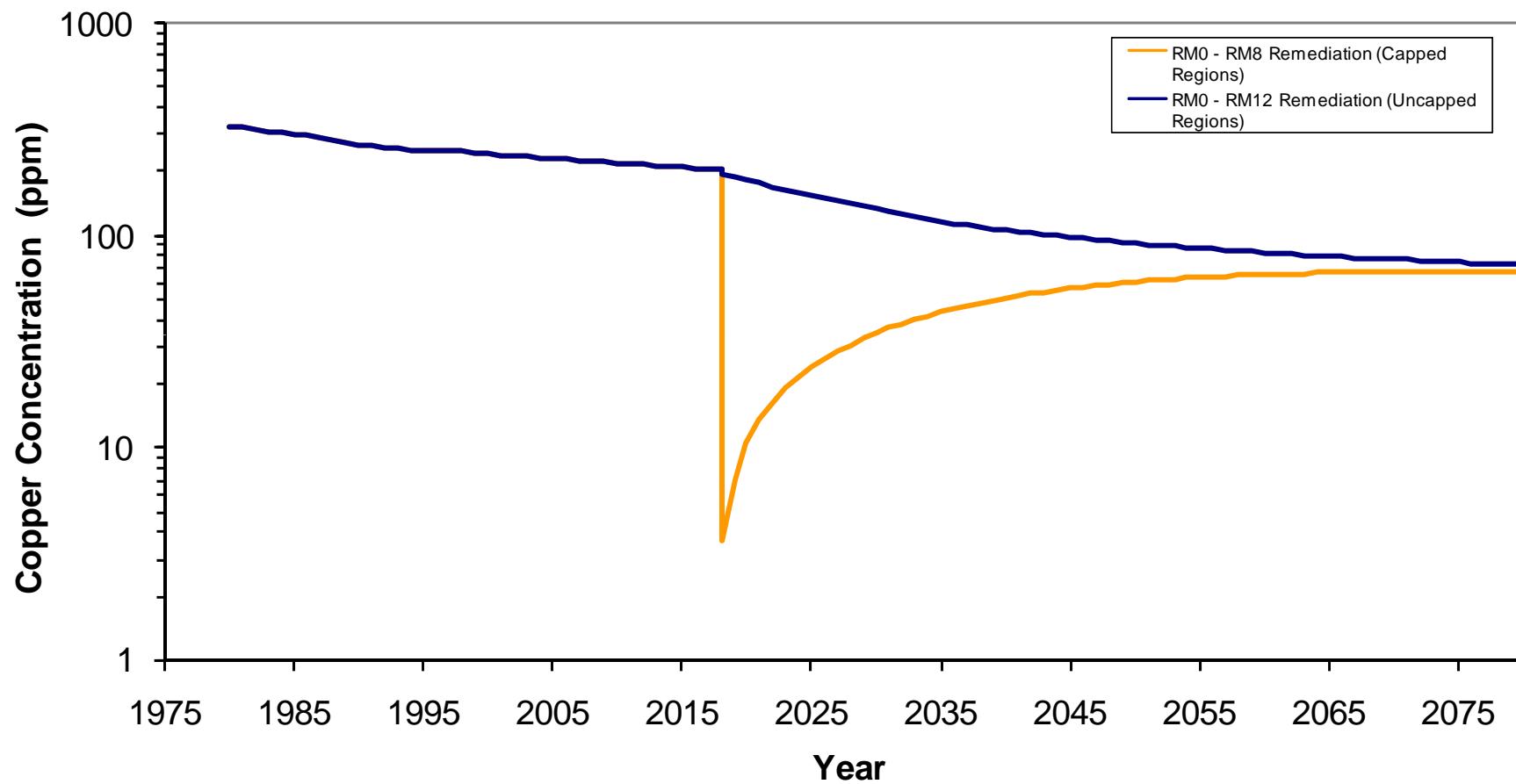
September 2008



Lead
Comparison of Estimated Trajectories in Capped and Uncapped Regions for 0-6 inch Biologically Active Layer after Capping and Dredging RM0 - RM8
Lower Passaic River Restoration Project

Figure 20-52

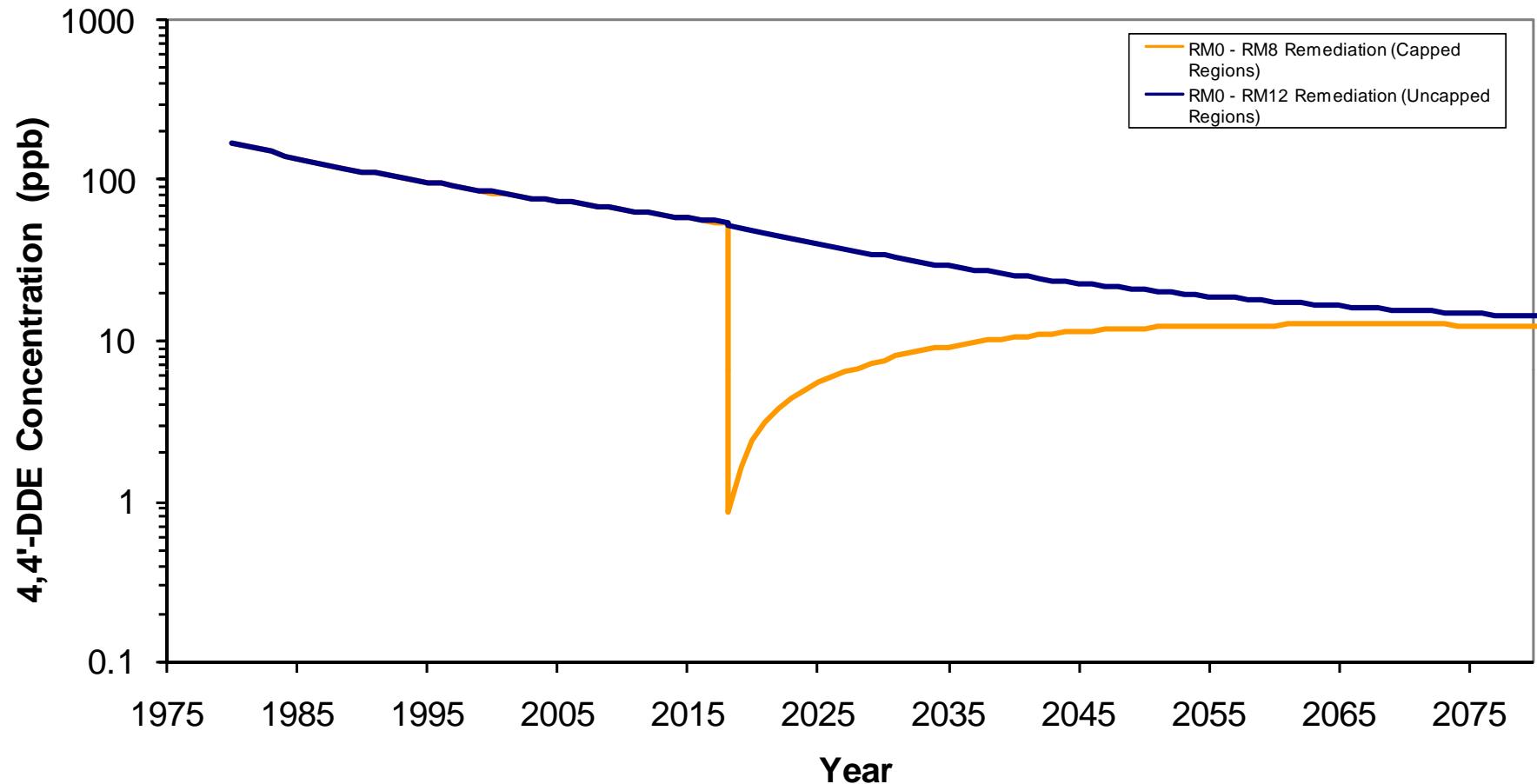
September 2008



Copper
Comparison of Estimated Trajectories in Capped and Uncapped Regions for 0-
6 inch Biologically Active Layer after Capping and Dredging RM0 - RM8
Lower Passaic River Restoration Project

Figure 20-53

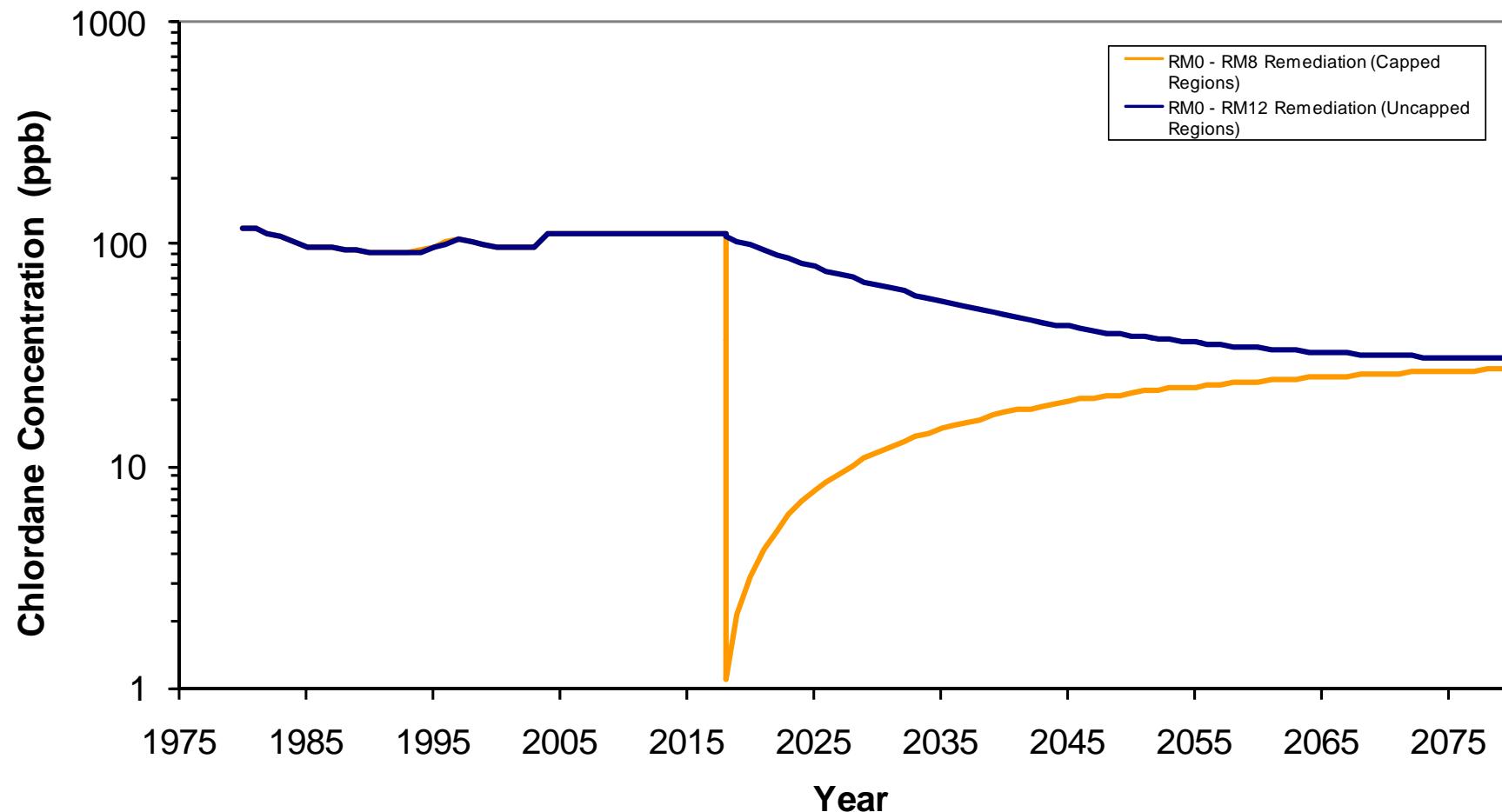
September 2008



4,4'-DDE
Comparison of Estimated Trajectories in Capped and Uncapped Regions for 0-
6 inch Biologically Active Layer after Capping and Dredging RM0 - RM8
Lower Passaic River Restoration Project

Figure 20-54

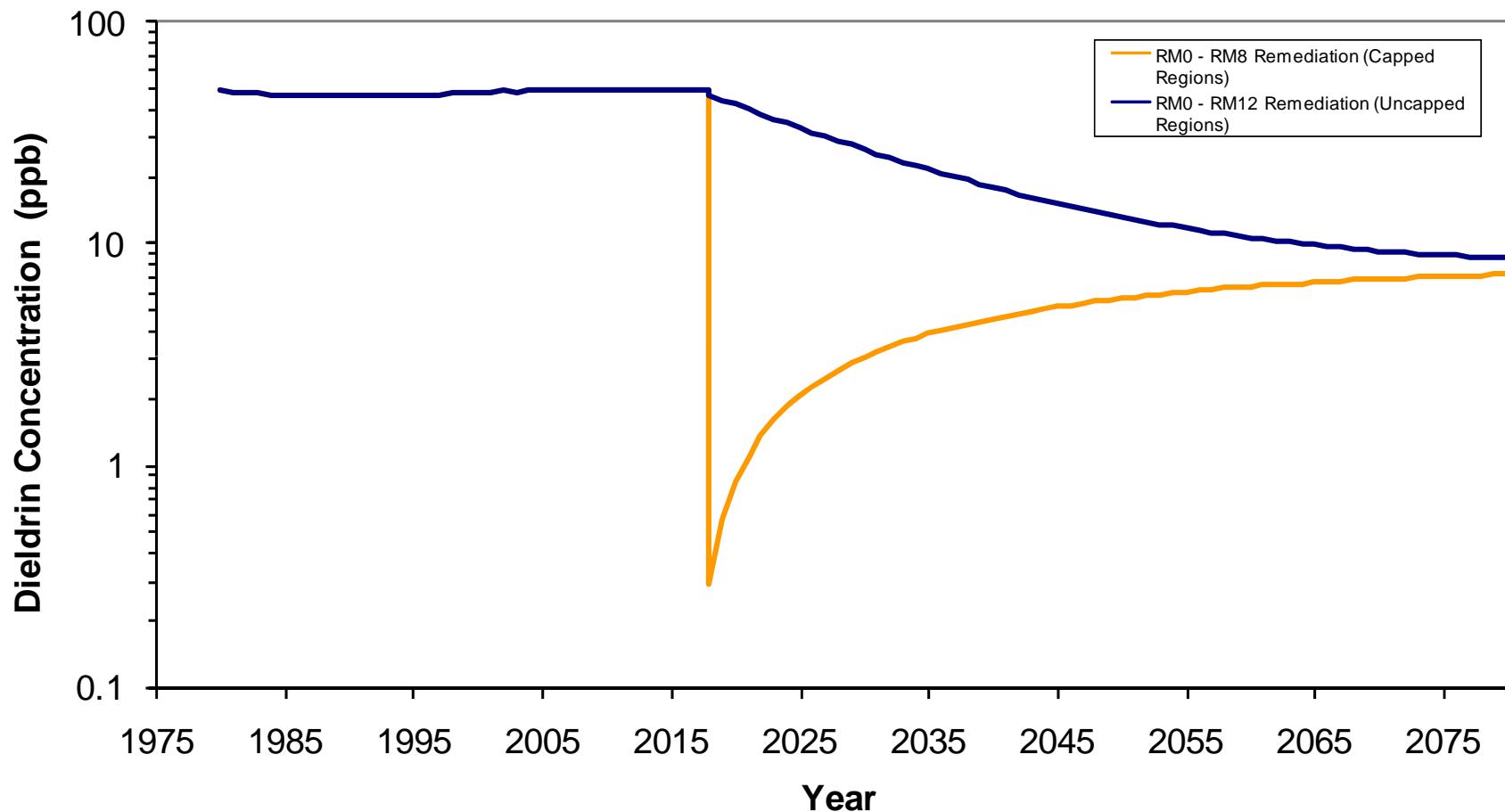
September 2008



Chlordane
Comparison of Estimated Trajectories in Capped and Uncapped Regions for 0-
6 inch Biologically Active Layer after Capping and Dredging RM0 - RM8
Lower Passaic River Restoration Project

Figure 20-55

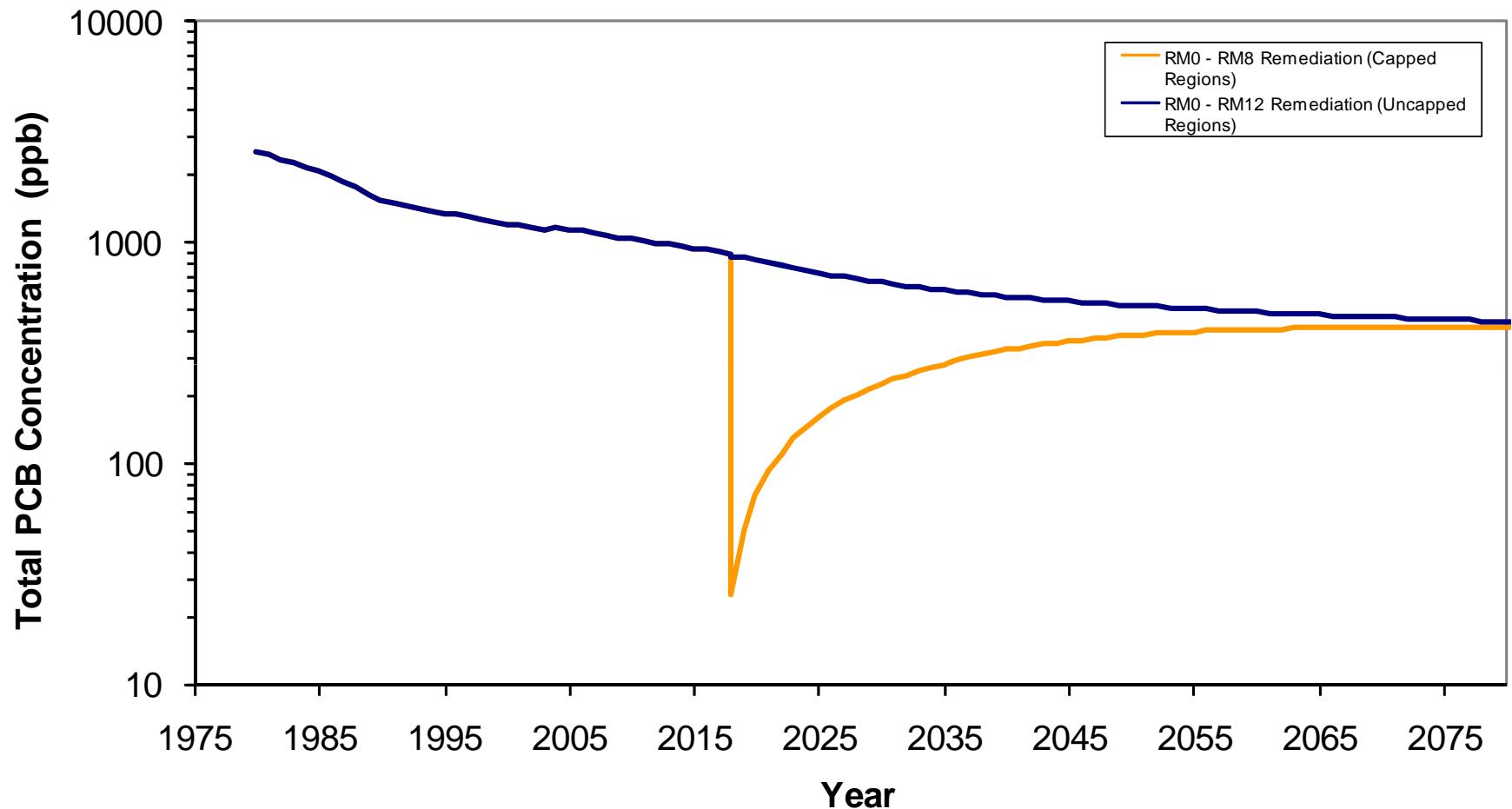
September 2008



Dieldrin
Comparison of Estimated Trajectories in Capped and Uncapped Regions for 0-
6 inch Biologically Active Layer after Capping and Dredging RM0 - RM8
Lower Passaic River Restoration Project

Figure 20-56

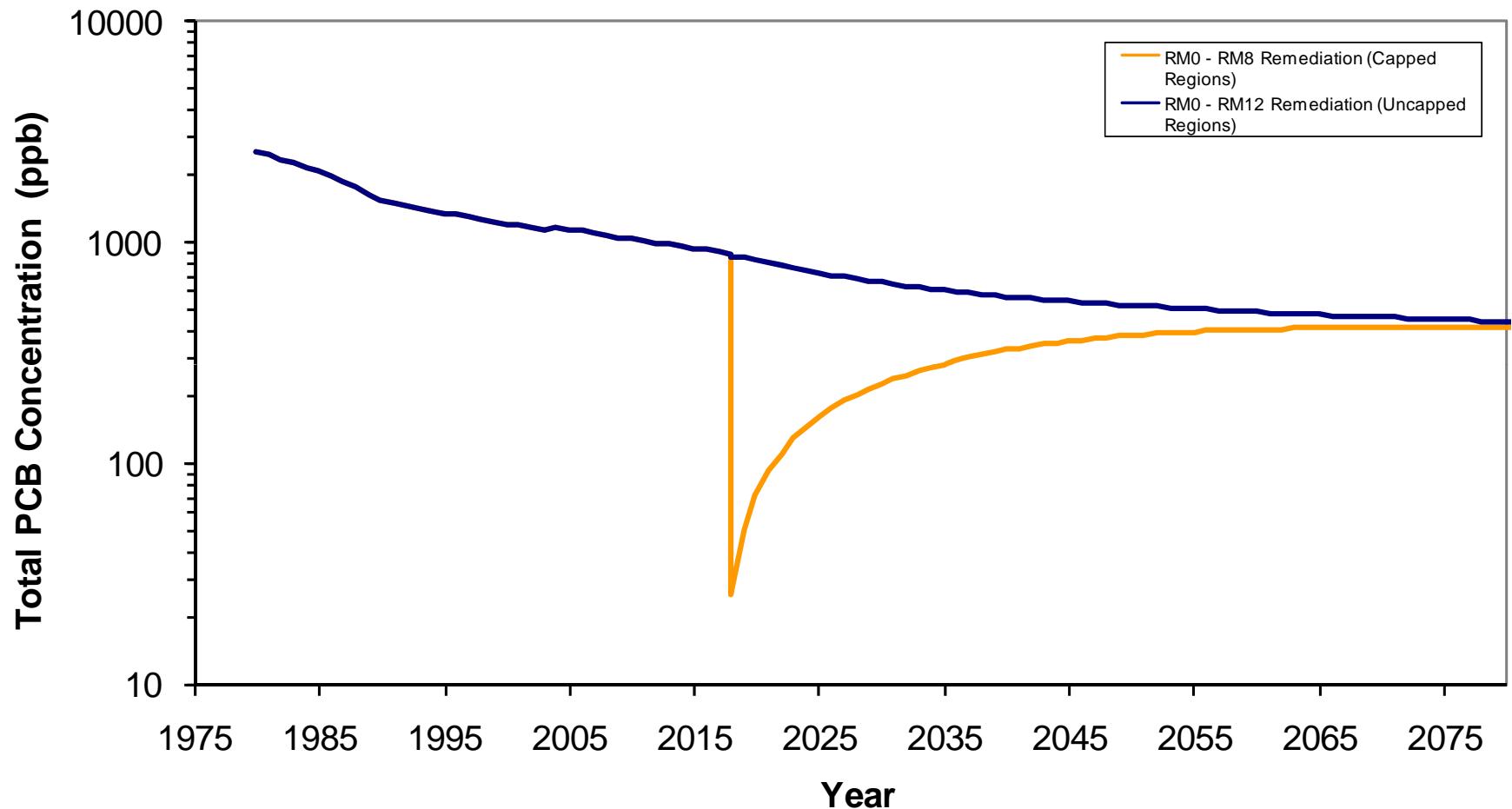
September 2008



Total PCB
Comparison of Estimated Trajectories for Remediation Options for 0-6 inch
Biologically Active Layer in Capped Regions
Lower Passaic River Restoration Project

Figure 20-57

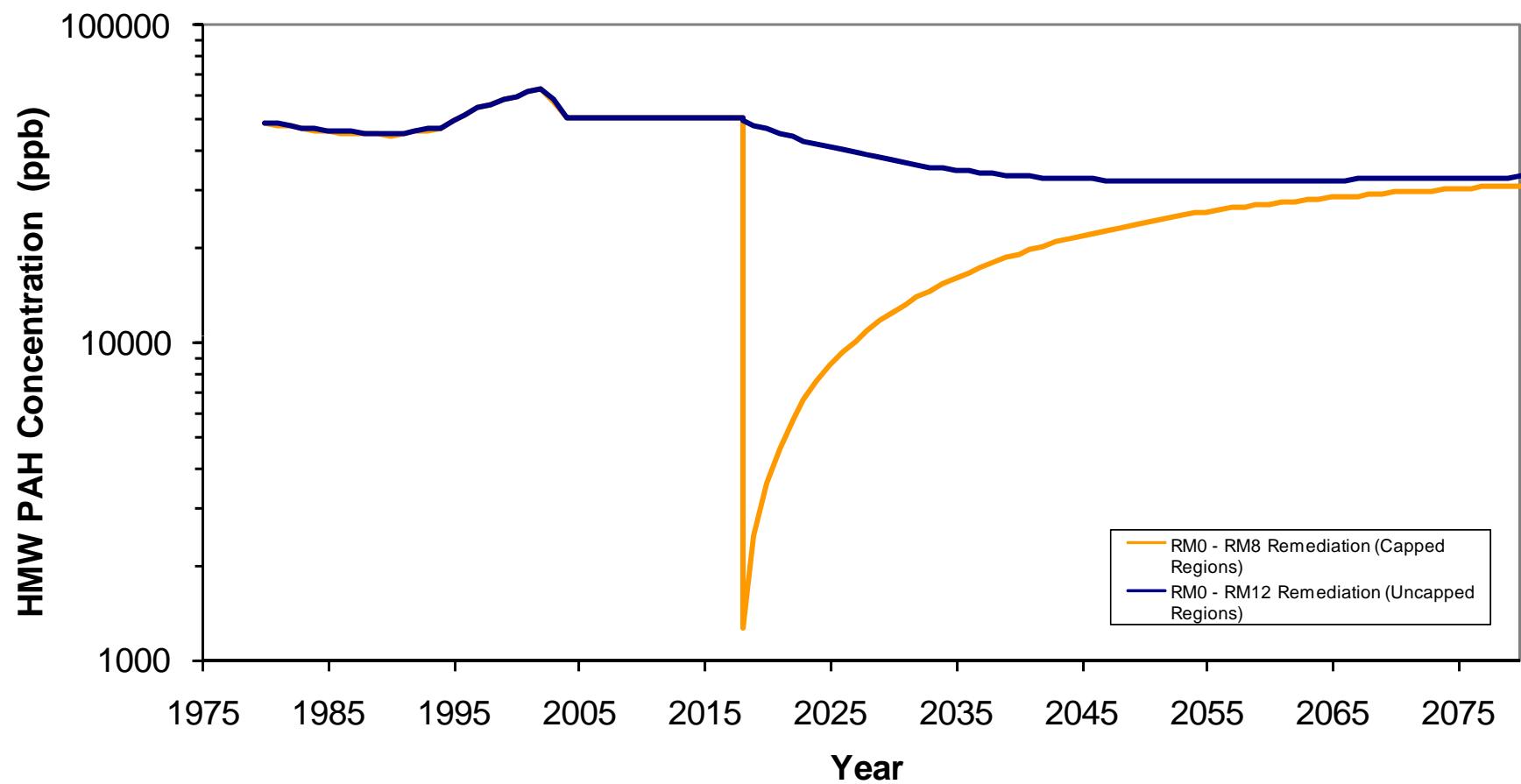
September 2008



Total PCB
Comparison of Estimated Trajectories for Remediation Options for 0-6 inch
Biologically Active Layer in Capped Regions
Lower Passaic River Restoration Project

Figure 20-57

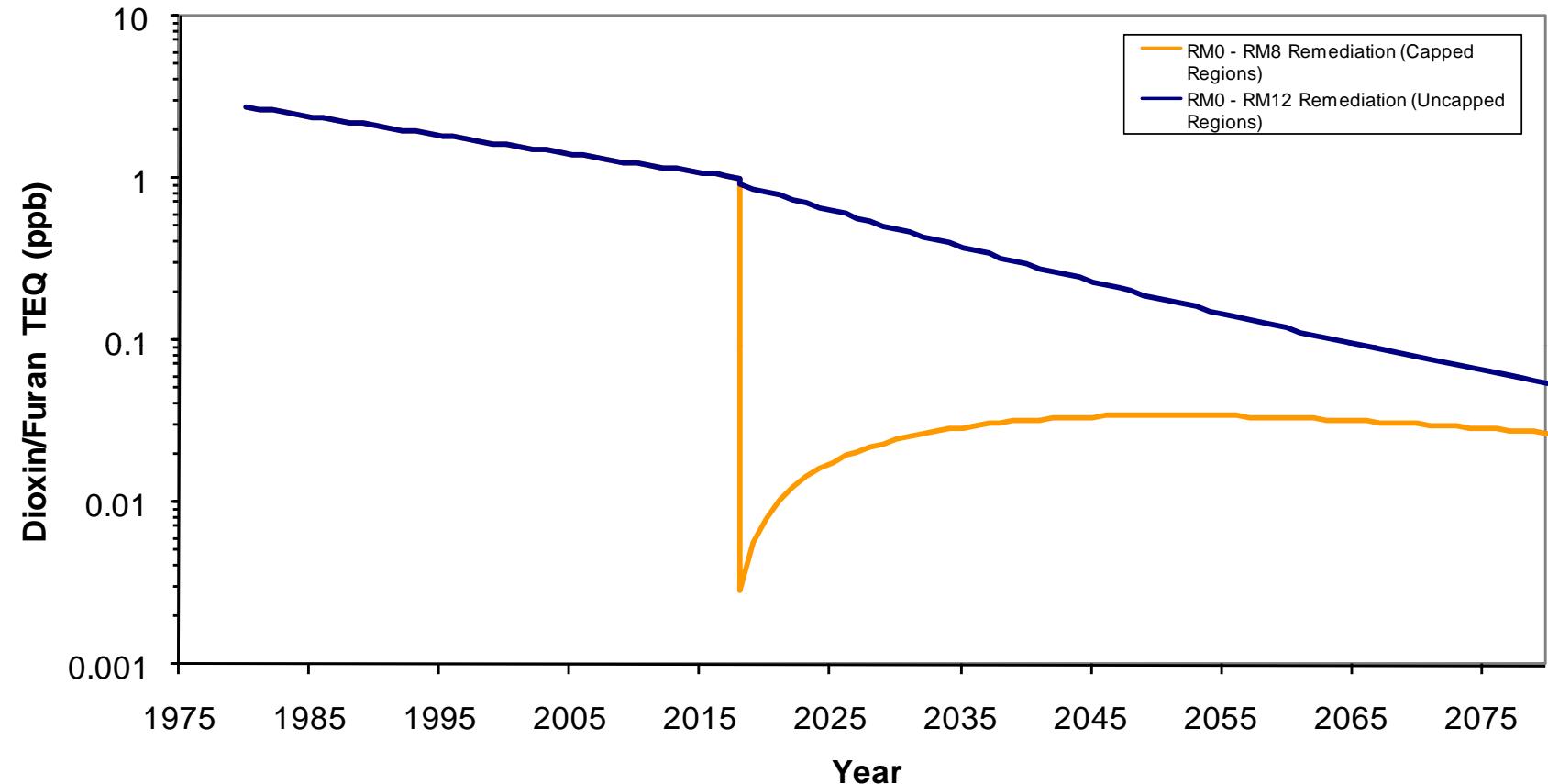
September 2008



HMW PAH
Comparison of Estimated Trajectories in Capped and Uncapped Regions for 0-
6 inch Biologically Active Layer after Capping and Dredging RM0 - RM8
Lower Passaic River Restoration Project

Figure 20-58

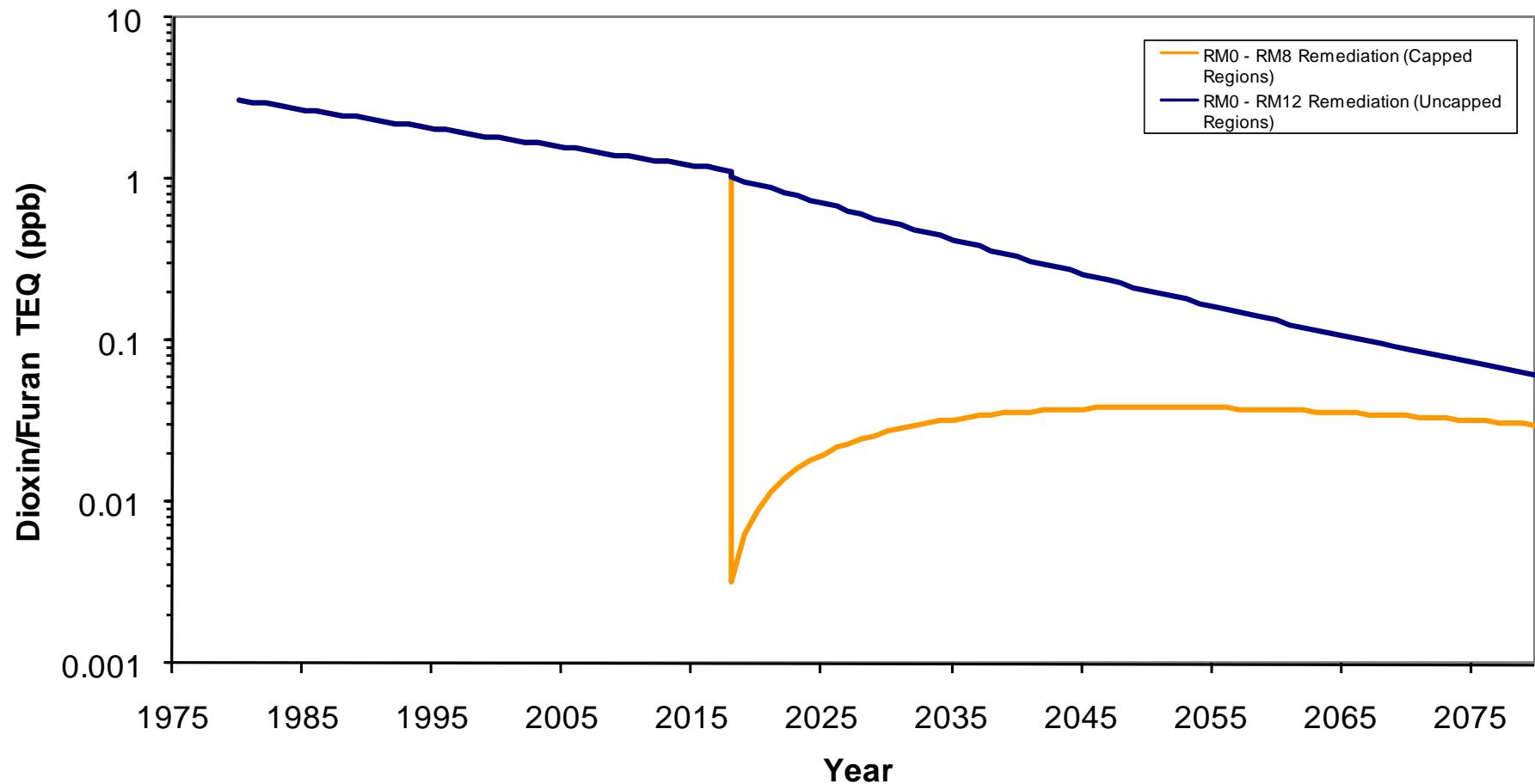
September 2008



Dioxin/Furan TEQ (Fish)
Comparison of Estimated Trajectories in Capped and Uncapped Regions for 0-
6 inch Biologically Active Layer after Capping and Dredging RM0 - RM8
Lower Passaic River Restoration Project

Figure 20-59

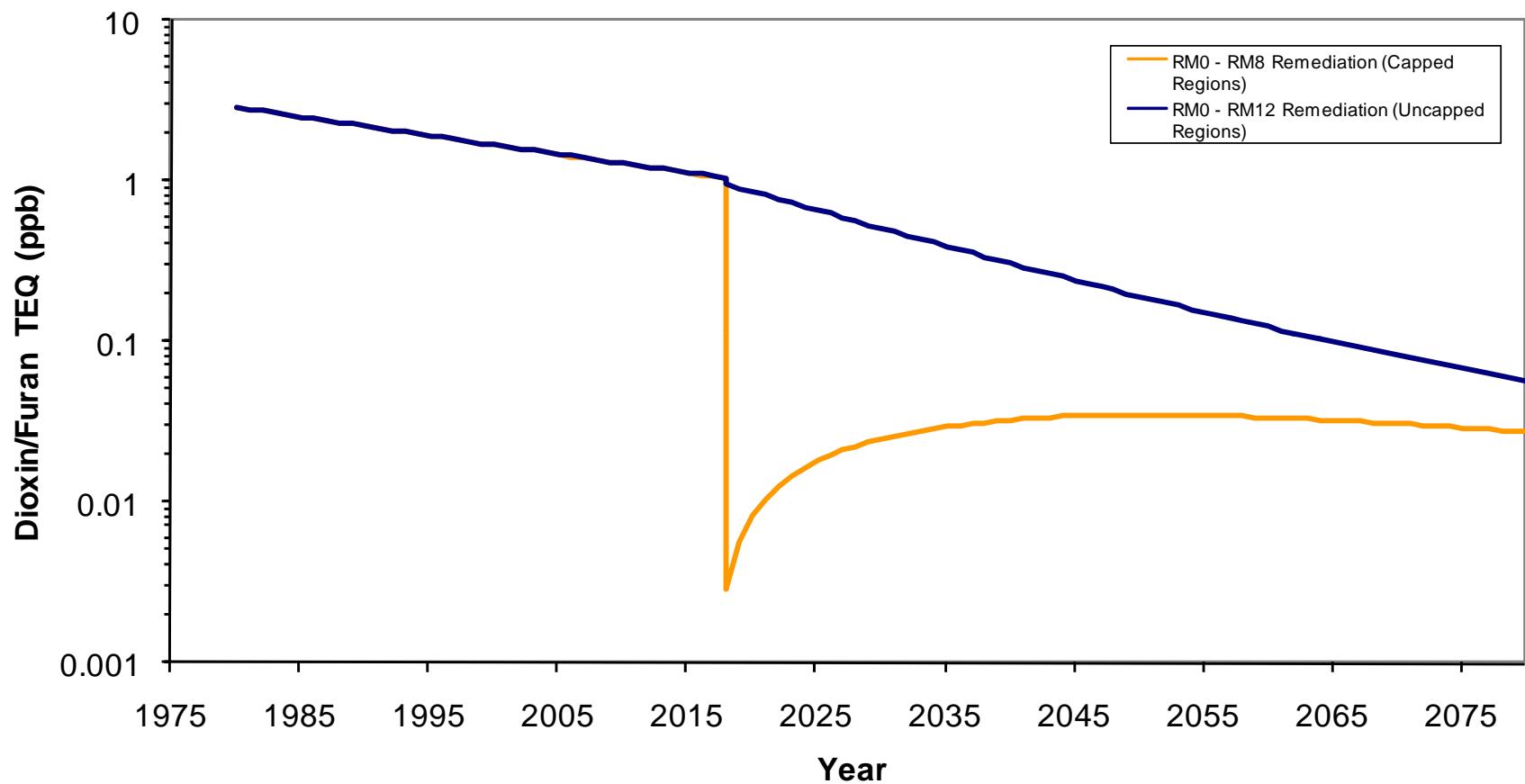
September 2008



Dioxin/Furan TEQ (Bird)
Comparison of Estimated Trajectories in Capped and Uncapped Regions for 0-
6 inch Biologically Active Layer after Capping and Dredging RM0 - RM8
Lower Passaic River Restoration Project

Figure 20-60

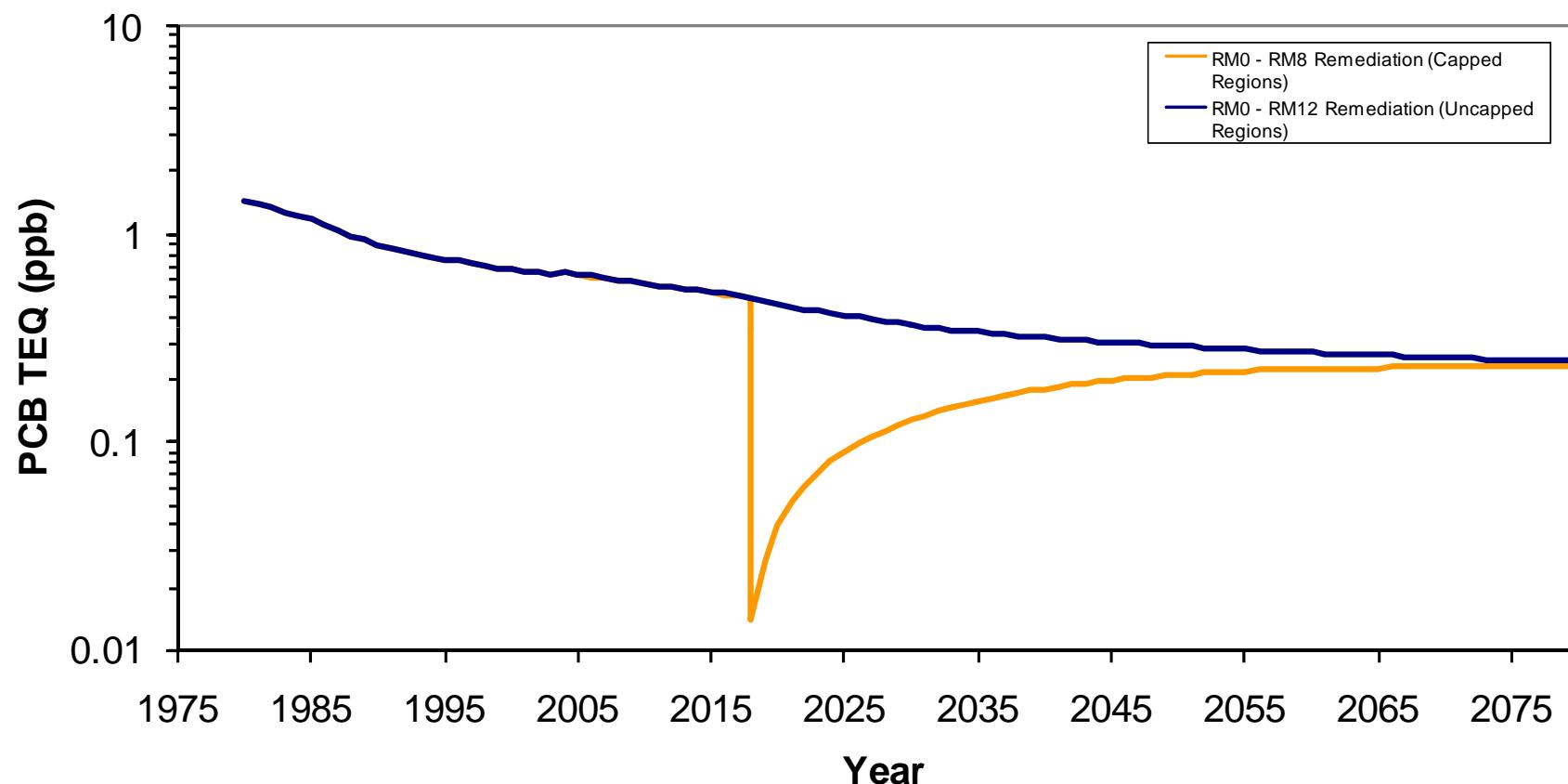
September 2008



Dioxin/Furan TEQ (Mammal)
Comparison of Estimated Trajectories in Capped and Uncapped Regions for 0-6 inch Biologically Active Layer after Capping and Dredging RM0 - RM8
Lower Passaic River Restoration Project

Figure 20-61

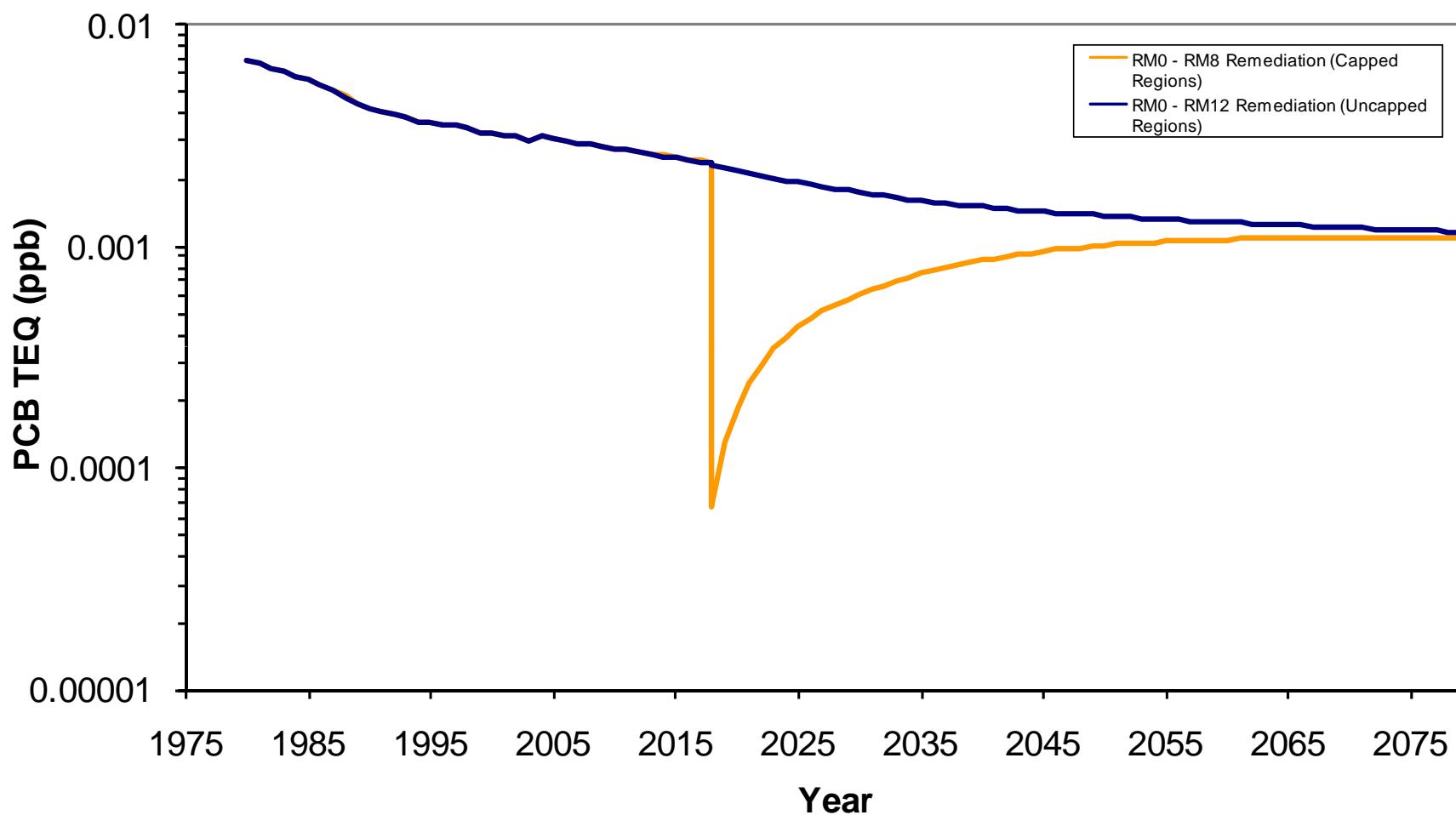
September 2008



PCB TEQ (Fish)
Comparison of Estimated Trajectories in Capped and Uncapped Regions for 0-
6 inch Biologically Active Layer after Capping and Dredging RM0 - RM8
Lower Passaic River Restoration Project

Figure 20-62

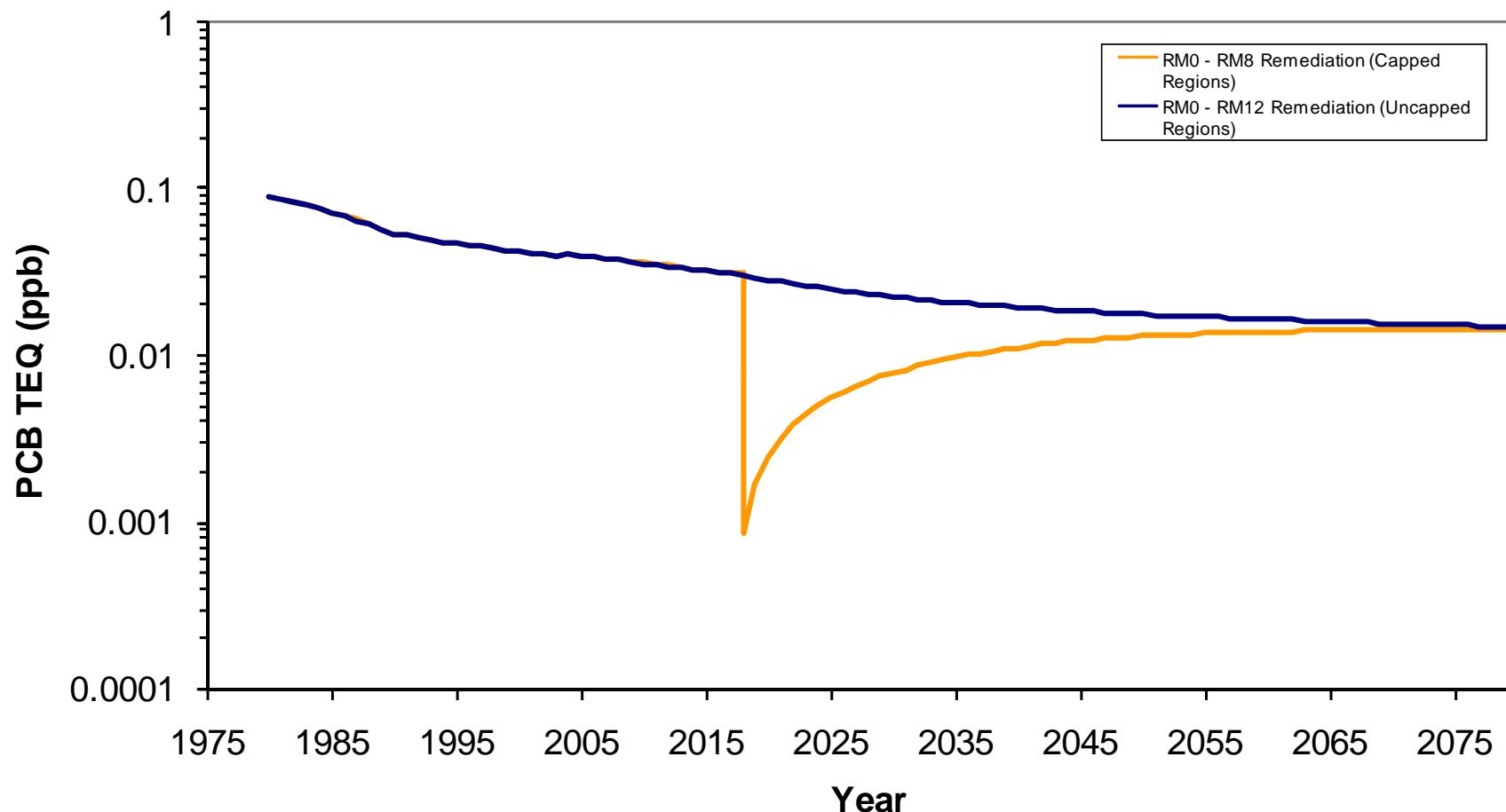
September 2008



PCB TEQ (Bird)
Comparison of Estimated Trajectories in Capped and Uncapped Regions for 0-
6 inch Biologically Active Layer after Capping and Dredging RM0 - RM8
Lower Passaic River Restoration Project

Figure 20-63

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PCB TEQ (Mammal)
Comparison of Estimated Trajectories in Capped and Uncapped Regions for 0-
6 inch Biologically Active Layer after Capping and Dredging RM0 - RM8
Lower Passaic River Restoration Project

Figure 20-64

September 2008